



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII  
726 MINNESOTA AVENUE  
KANSAS CITY, KANSAS 66101

**AUG 11 1997**

Site: Hopkins, Inc.  
ID # IND0051613  
Break: 1-6  
Other: 1-14-30



S00198379  
SUPERFUND RECORDS

## MEMORANDUM

SUBJECT: R.V. Hopkins, Inc., **Davenport, Iowa,**  
**REMOVAL SITE EVALUATION and**  
**PRELIMINARY REMOVAL ASSESSMENT**

FROM: Jim Kudlinski, On-Scene Coordinator *[Signature]*  
SUPR/ERRP

TO: Robert W. Jackson, Chief *[Signature]*  
SUPR/ERRP

### Introduction

In October 1996, EPA's Iowa RCRA program conducted a Compliance Evaluation Inspection at the subject site. At the conclusion of the inspection, the program issued 16 separate Notice of Violation(s) to R.V. Hopkins, including, failure to make a hazardous waste determination on an estimated 337 55-gallon drums of burner ash and 338 55-gallon drums of baghouse dust currently in storage.<sup>1</sup> In March 1997, ER&R was requested by CNSL and Iowa RCRA to conduct a removal assessment at the subject site.

### Removal Assessment

On May 6-7, 1997, personnel from ER&R and EPA's START contractor conducted an abbreviated removal assessment. The purpose of the assessment was to determine whether any of the estimated 675 drums contained CERCLA hazardous substances and/or RCRA hazardous waste. In addition, ER&R was requested to evaluate the drummed waste and make a recommendation whether they presented an imminent and substantial endangerment or emergency situation. No other environmental media (e.g., surface soils or groundwater) were evaluated during the removal assessment.

A total of 1,313 55-gallon drums of process waste were inventoried by ER&R. 340 drums were identified by R.V. Hopkins personnel as containing baghouse dust and the remaining 973 drums containing burner ash. The drums were staged in the following seven locations:

<sup>1</sup> For additional information refer to Transmittal of Inspection Report - RCRA, David Whiting, Environmental Engineer, ARCM, November 15, 1996, R.V. Hopkins, Inc., Davenport, Iowa.



- 629 55-gallon drums labeled “**burner ash**” staged on north end of receiving yard.
- 184 55-gallon drums identified as “**baghouse dust**” staged adjacent to Schmidt Road.
- 81 55-gallon drums labeled “**burner ash**” staged inside 40-foot road trailer (trailer #1).
- 77 55-gallon drums labeled “**burner ash**” staged inside 40-foot road trailer (trailer #2).
- 98 55-gallon drums labeled “**burner ash**” staged inside 40-foot road trailer (trailer #3).
- 88 55-gallon drums labeled “**burner ash**” staged inside 40-foot road trailer (trailer #4).
- 156 55-gallon drums identified as “**baghouse dust**” staged adjacent to the drum incinerator.

The drums labeled “burner ash” **and opened** by ER&R for visual assessment (25% of total) contained varying amounts of **hardened ash-like** material, paint solids and sludges, unknown sludges, unknown liquids or **oils, and/or** other unknown semi-solid material’s. Many of the drums also exhibited a positive **response** when subjected to field screening with an Organic Vapor Analyzer (OVA), often-times in excess of 1,000 ppm within the drum’s closed head-space. R.V. Hopkins personnel **identified** all the drums labeled “burner ash” as containing non-RCRA hazardous waste. However, **each drum** labeled “burner ash” did have a RCRA hazardous waste label applied to the **drums exterior** complete with RCRA generator ID information and accumulation start dates. **Note:** almost all of the observed accumulation start dates were in excess of 90-days. ER&R **sampled** approximately 77 of the drums labeled “burner ash” for total metals, TCLP metals, **volatile organics** (VOAs), pH, and flashpoint.

The drums identified by R.V. **Hopkins personnel** (the drums did not have any information written on or affixed to the exterior) as “**baghouse dust**” and opened by ER&R personnel for visual assessment (25% of total) **contained** gray-black colored fine-grained dust. Again, R.V. Hopkins personnel identified all “**baghouse dust**” drums as containing non-RCRA hazardous waste. ER&R sampled approximately **19 of the** drums for total metals and TCLP metals analysis.

Two potential waste piles were **observed** by ER&R. Pile #1 was estimated at 10' x 20' x 4' high and Pile #2 was estimated at 10' x **50'** x 4' high. Both were located adjacent to Schmidt Road. R.V. Hopkins personnel identified **these** piles as waste that was excavated from the base of the former drum incinerator. Both **piles were** sampled by ER&R for total metals and TCLP metals analysis.

### Analytical Results

Approximately 16 different CERCLA **hazardous** substances were documented in drummed wastes and/or waste piles at **the facility**. 94 of the 96 drums sampled had measurable concentrations of barium, cadmium, **chromium, and lead**. Sixteen of the 96 drums sampled also contained measurable concentrations of acetone, benzene, ethylbenzene, methyl ethyl ketone, methylene chloride, 4-methyl-2-pentanone, styrene, tetrachloroethylene, trichloroethylene, and 1,1,1-trichloroethane. Twenty-six of the 96 drums sampled exceeded the regulatory threshold for TCLP barium, **lead, MEK, or trichloroethylene**. In addition, 2 drums exhibited the RCRA characteristic for **ignitability**, and the two waste piles exceeded the RCRA standard for TCLP lead. For reference, **listed below** are the specific CERCLA hazardous substances documented in drums and **waste piles** at the site and their respective range of



concentrations.

| CERCLA hazardous Substance | range in concentrations | CERCLA hazardous substance | range in concentrations |
|----------------------------|-------------------------|----------------------------|-------------------------|
| acetone                    | 90 to 300 ppm           | benzene                    | 9.1 ppm (max)           |
| barium                     | 2.14 to 7,170 ppm       | cadmium                    | .11 to 1,130 ppm        |
| chromium                   | 1.32 to 6,630 ppm       | ethyl benzene              | 10 to 1,500 ppm         |
| lead                       | 5 to 97,191 ppm         | methylene chloride         | 76 ppm (max)            |
| methyl ethyl ketone        | 14 to 430 ppm           | 4-methyl-2-pentanone       | 34 to 49 ppm            |
| styrene                    | 67 to 11,000 ppm        | tetrachloroethylene        | 3.7 to 22 ppm           |
| trichloroethylene          | 40 ppm (max)            | 1,1,1 trichloroethane      | 2.6 to 20 ppm           |
| toluene                    | 4 to 18,000 ppm         | total xylenes              | 48 to 7,100 ppm         |

The complete analytical summary for all drum and waste pile sampling is included in Analysis Request Report for Activity Number APXX5.

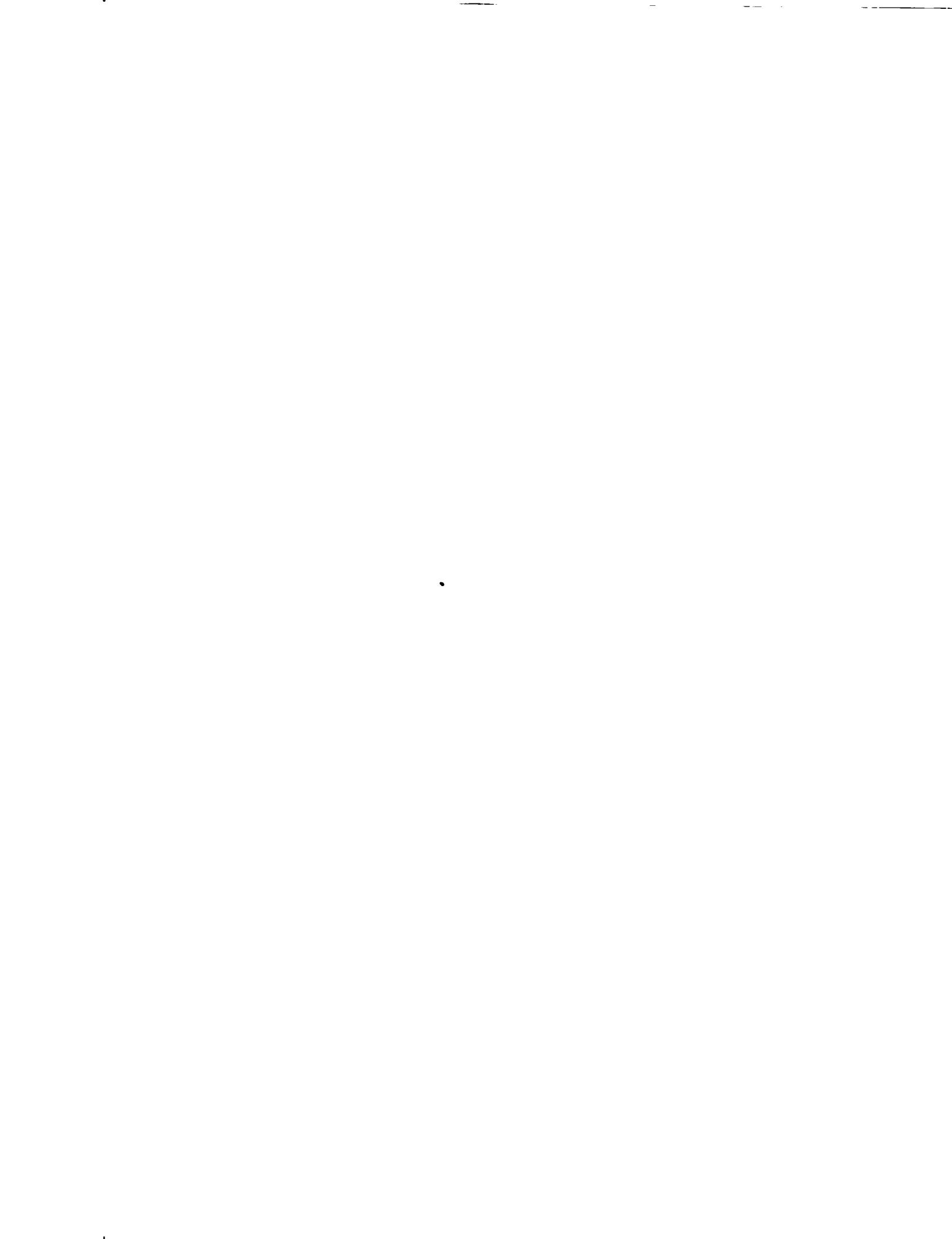
### Recommendation

ER&R is recommending that all drums of process waste, including the waste piles, be removed from the facility under a Administrative Order (RCRA or Superfund?) or Superfund-financed Time-Critical Removal Action. The specific conditions from 40 CFR 300.415(b)(2) that support the recommendation for a removal action are detailed in the Removal Site Evaluation and Removal Preliminary Assessment report.

### Attachments

Superfund Removal Site Evaluation and Removal Preliminary Assessment  
Analysis Request Report for Activity Number APXX5

cc: Diana Engeman, SPFD  
Brian Mitchell, ARTD  
Dan Pflaster, CID  
Jim Stevens, CNSL



# SUPERFUND REMOVAL SITE EVALUATION and REMOVAL PRELIMINARY ASSESSMENT

## I. SITE NAME AND LOCATION:

NAME: R V Hopkins, Inc.

ADDRESS OR OTHER LOCATION IDENTIFIER: 743 Schmidt Road

CITY: Davenport

STATE: Iowa

ZIP: 52808

BACKGROUND: Facility is an active drum reconditioner located in the southwestern industrial area of Davenport, Iowa. ERRP was requested by RCRA and CNSL to: a.) conduct a removal assessment and make a recommendation whether site conditions (drummed process wastes) warranted a Superfund removal action, and, b.) collect samples from drummed wastes to support future RCRA enforcement actions.

## II. PROGRAM CONTACTS:

REQUESTED BY: Brian Mitchell

DATE OF REQUEST: March 1997

AGENCY/OFFICE: U.S. EPA Region VII, ARTD/IRSP

MAILING ADDRESS: 726 Minnesota Avenue

CITY: Kansas City

STATE: Kansas

ZIP: 66101

TELEPHONE: 913/551-7633

FAX:

SECONDARY/OTHER CONTACT: Jennifer MacDonald

AGENCY/OFFICE: U.S. EPA Region VII, CNSL/SPFD

MAILING ADDRESS: 726 Minnesota Avenue

CITY: Kansas City

STATE: Kansas

ZIP: 66101

TELEPHONE: 913/551-7843

FAX:

## III. REMOVAL SITE EVALUATION CRITERIA [40 CFR 300.410(e)]

IS THERE A RELEASE AS DEFINED BY THE NCP:

YES  or NO

Conditions on-site present a threat of a release. ERRP's removal assessment conducted May 6-7, 1997, documented over 1,313 55-gallon drums and two (2) solid waste piles that contain process waste from drum reconditioning activities. Approximately 96 of the 1,313 drums were sampled for total metals, TCLP metals, VOC's, TCLP VOC's, pH, and flashpoint. Analytical data indicates all drums and waste piles contain one or more of 16 different CERCLA hazardous substances. In addition, 28 drums sampled, including the waste piles were characterized as RCRA hazardous wastes (e.g. TCLP Pb, Ba, MEK, trichloroethylene, and flash point).

(A RELEASE is defined as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust emissions; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release.)

IS THE SOURCE A FACILITY OR VESSEL AS DEFINED BY THE NCP:

YES  or NO

R V Hopkins is an active (drum reconditioning) facility. The facility reconditions an estimated 10,000 55-gallon open-head and closed-head drums per month. An estimated 32 employees staff reconditioning operations 8-hours per day, 5 days per week. Over 1,313 55-gallon drums and two waste piles containing CERCLA hazardous substances are currently stored at the facility.

(A FACILITY is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or POTW), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located, but does not include any consumer product in consumer use or any vessel. A VESSEL is defined as any description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel.)



# SUPERFUND REMOVAL SITE EVALUATION and REMOVAL PRELIMINARY ASSESSMENT

## III. REMOVAL SITE EVALUATION CRITERIA [40 CFR 300.410(e)](continued):

DOES THE RELEASE INVOLVE A HAZARDOUS SUBSTANCE, OR POLLUTANT CONTAMINANT AS DEFINED BY THE NCP:

YES  or NO

The following CERCLA hazardous substances were documented **within drummed wastes and/or waste piles at the site**: acetone, barium, benzene, cadmium, chromium, ethylbenzene, lead, methyl ethyl ketone, methylene chloride, 4-methyl-2-pentanone, 1,1,1-trichloroethane, trichloroethylene, tetrachloroethylene, toluene, styrene, and xylenes. The respective range of concentrations for each CERCLA hazardous substance documented in drummed wastes and waste piles are discussed in Section IV of this report.

(A HAZARDOUS SUBSTANCE means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the CWA, CERCLA, SDWA, CAA or TSCA. The term does not include petroleum products, natural gas, natural gas liquids, liquified natural gas, synthetic gas or mixtures of natural and synthetic gas. The definition of POLLUTANT or CONTAMINANT includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions or physical deformations, in such organisms or their offspring. The term does not include petroleum products, natural gas, natural gas liquids, liquified natural gas, synthetic gas or mixtures of natural and synthetic gas.)

IS THE RELEASE SUBJECT TO THE LIMITATIONS ON RESPONSE:

YES  or NO

All of the drummed waste and waste piles currently stored **on-site** is process waste from drum reconditioning operations

(The LIMITATIONS ON RESPONSE provisions of the NCP (40 CFR 300.400(b)) states that removals shall not be undertaken in response to a release of a naturally occurring substance in its unaltered or natural form; from products that are a part of the structure of, and result in exposure within, residential buildings or business or community structures; or into public or private drinking water supplies due to deterioration of the system through ordinary use.)

DOES THE QUANTITY OR CONCENTRATION WARRANT RESPONSE:

YES  or NO

ERRP's assessment teams documented over 1,313 55-gallon drums and two waste piles. Of the 1,313 drums documented by EERP, approximately 96 were sampled for total metals, TCLP metals, VOC's, TCLP VOC's, pH, and flash point. All of the drums and waste piles sampled contained one or more of 16 different CERCLA hazardous substances. The volume of waste and respective concentrations of the CERCLA hazardous substances contained within the drums and/or waste piles warrants a response (See Section IV).

HAS A PRP BEEN IDENTIFIED:

YES  or NO

The potentially responsible party is R.V. Hopkins, Inc. No other inquiry (e.g. generators) regarding other PRP's has been undertaken by EPA

## IV. CONDITIONS TO WARRANT REMOVAL [40 CFR 300.415(b)(2)]:

ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS:

YES  or NO

An estimated 32 employees work at the facility 8 hours per day, 5 days per week. The facility is located in an industrial area of southwest Davenport, Iowa. The likelihood of passers-by or the public coming into contact with the drums of waste is highly unlikely. The most reasonable exposure scenario for persons coming into contact with drummed CERCLA hazardous substances entails facility workers placing process wastes (CERCLA hazardous substances) into 55-gallon drums for storage and performing maintenance on the drummed wastes (e.g. over packing or repacking wastes due to container failure from exposure to adverse weather, aging, etc.)

ACTUAL OR POTENTIAL CONTAMINATION OF DRINKING WATER SUPPLIES

YES  or NO

The drummed wastes and waste piles contain 16 different CERCLA hazardous substances that, if released, could pose a threat to nearby surface waters



# SUPERFUND REMOVAL SITE EVALUATION and REMOVAL PRELIMINARY ASSESSMENT

## IV. CONDITIONS TO WARRANT REMOVAL [40 CFR 300.415(b)(2)] (continued):

HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS,  
BARRELS, OR BULK STORAGE CONTAINERS:

YES  or NO

Approximately 16 different CERCLA hazardous substances **were documented** in drummed wastes and/or waste piles at the site. Of the 16 CERCLA hazardous substances, 4 were also identified as **exceeding the regulatory standard** for Toxicity Characteristic Leaching Procedure (TCLP) for barium, lead, MEK and trichloroethylene; 94 of the 96 drums sampled contained measurable concentrations of barium, cadmium, chromium, and lead. 26 of the 96 drums sampled exceeded the **regulatory threshold** for TCLP lead, MEK, barium, and trichloroethylene. 16 of the 96 drums sampled contained measurable concentrations of **acetone, benzene, ethylbenzene, methyl ethyl ketone, methylene chloride, 4-methyl-2-pentanone, styrene, tetrachloroethylene, trichloroethylene, and 1,1,1-trichloroethane**. The specific CERCLA hazardous substances documented in drums and waste piles at the site and their respective **range** of concentrations are listed below.

acetone - 90 to 300 ppm  
toluene - 4 to 18,000 ppm  
methylene chloride - 76 ppm  
4-methyl-2-pentanone - 34 to 49 ppm  
barium - 2.14 to 7,170 ppm  
lead - 5 to 97,191 ppm

ethylbenzene - **10 to 1,500 ppm**  
total xylenes - **48 to 7,100 ppm**  
**tetrachloroethylene - 3.7 to 22 ppm**  
**trichloroethylene - 40 ppm**  
cadmium - **.11 to 1,130 ppm**

methyl ethyl ketone - 14 to 430 ppm  
styrene - 67 to 11,000 ppm  
**1,1,1-trichloroethane - 2.6 to 20 ppm**  
benzene - 91 ppm  
Chromium 1.32 to 6,630 ppm

In addition:

23 drums exceeded RCRA TCLP for lead - 5.0 to 126 mg/l  
1 drum exceeded RCRA TCLP for MEK - 270 mg/l  
1 drum exceeded RCRA TCLP for barium - 138 mg/l  
1 drum exceeded RCRA TCLP for trichloroethylene - 2.5 mg/l  
2 drums exhibited the RCRA characteristic of ignitability (D001)  
2 waste piles exceeded RCRA TCLP for lead

CONDITIONS SUSCEPTIBLE TO IMPACT FROM ADVERSE WEATHER CONDITIONS

YES  or NO

The estimated 1,313 drums of waste and 2 waste piles are **stored in exterior locations** without protection from adverse weather conditions (e.g. freeze/thaw, direct sunlight, precipitation).

THREAT OF FIRE OR EXPLOSION:

YES  or NO

Two (2) of the 96 drums sampled exhibited the RCRA **characteristic of ignitability**

POTENTIAL FOR OTHER FEDERAL OR STATE RESPONSE MECHANISMS

YES  or NO

R V Hopkins is currently a RCRA lead site. The only **federal agency** with the authority to respond to the drummed wastes is EPA's RCRA and Superfund Programs

OTHER SITUATIONS OR FACTORS WHICH POSE A THREAT:

YES  or NO

R V Hopkins is a habitual offender of EPA's RCRA program. In January 1994, EPA issued Hopkins a UAO for disposal of an estimated 4,000 to 4,500 drums of RCRA hazardous wastes that accumulated **on-site since 1985**. Hopkins completed the cleanup in June 1996, however, they continue to generate RCRA hazardous wastes and store them **on-site in excess of 90-days** without a storage permit. Other factors which pose a threat of release include unstable management at the facility, **potential lack of knowledge** among facility workers pertaining to proper handling of hazardous materials, and uncertainty regarding the **managerial, technical, and financial ability** of R V Hopkins to manage their environmental obligations in a responsible manner.



**SUPERFUND REMOVAL SITE EVALUATION  
and  
REMOVAL PRELIMINARY ASSESSMENT**

**V. PROPOSED REMOVAL ACTIONS [40 CFR 300.415(d)]:**

DRAINAGE CONTROL:

YES    or NO ✓

EXPLAIN Drainage controls may be appropriate to address **contaminated** soils at the site, however, only drummed wastes were evaluated during the RSE/RPA

STABILIZATION OR REMOVAL OF SURFACE IMPOUNDMENTS:

YES    or NO ✓

EXPLAIN

CAPPING OF CONTAMINATED SOIL:

YES    or NO ✓

EXPLAIN Capping of contaminated soil may be appropriate to **address** contaminated soils at the site, however, only drummed wastes were evaluated during the RSE/RPA

USE OF CHEMICALS TO CONTROL/RETARD SPREAD OF CONTAMINATION

YES    or NO ✓

EXPLAIN

CONTAMINATED SOIL EXCAVATION:

YES    or NO ✓

EXPLAIN Soil excavation may be appropriate to address **contaminated** soils, however, only drummed wastes were addressed during the RSE/RPA

REMOVAL OF DRUMS, TANKS, OR BULK STORAGE CONTAINERS:

YES ✓ or NO   

ERRP is recommending the removal and off-site disposal of **all drums and** waste piles that contain CERCLA hazardous substances from the site

CONTAINMENT, TREATMENT, OR DISPOSAL OF HAZARDOUS SUBSTANCES,  
POLLUTANTS, OR CONTAMINANTS:

YES ✓ or NO   

EXPLAIN



**SUPERFUND REMOVAL SITE EVALUATION  
and  
REMOVAL PRELIMINARY ASSESSMENT**

**VI. REMOVAL SITE EVALUATION DETERMINATION AND REMOVAL PRELIMINARY ASSESSMENT FINDINGS AND RECOMMENDATIONS:**

REMOVAL NOT WARRANTED - REMOVAL SITE EVALUATION TERMINATED

(Cite one or more of the criteria from SECTION III. **REMOVAL SITE EVALUATION CRITERIA**, as the basis for the above determination.)

|                          |  |                          |                                 |
|--------------------------|--|--------------------------|---------------------------------|
| <input type="checkbox"/> | NOT A RELEASE  | <input type="checkbox"/> | NOT A FACILITY OR VESSEL        |
| <input type="checkbox"/> | NOT A HAZARDOUS SUBSTANCE OR POLLUTANT OR <b>CONTAMINANT</b> | <input type="checkbox"/> | SUBJECT TO RESPONSE LIMITATIONS |
| <input type="checkbox"/> | INSUFFICIENT QUANTITY OR CONCENTRATION                       | <input type="checkbox"/> | WILLING CAPABLE PRP IDENTIFIED  |

COMMENT

REMOVAL RECOMMENDED     EMERGENCY     TIME-CRITICAL     NON-TIME-CRITICAL

(Cite one or more of the conditions or factors from Section IV. **CONDITIONS TO WARRANT A REMOVAL ACTION**, as a basis for recommending that a removal action be conducted.)

|                                     |  |                                     |                         |
|-------------------------------------|--|-------------------------------------|-------------------------|
| <input checked="" type="checkbox"/> | EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS OR CONTAMINANTS | <input checked="" type="checkbox"/> | ADVERSE WEATHER IMPACTS |
| <input type="checkbox"/>            | CONTAMINATED DRINKING WATER                                    | <input checked="" type="checkbox"/> | CONTAMINATED SOIL       |
| <input checked="" type="checkbox"/> | DRUMS, BARRELS OR CONTAINERS                                   | <input checked="" type="checkbox"/> | OTHER FACTORS           |

(Identify one or more of the removal actions listed in Section V. **REMOVAL ACTIONS WHICH MAY BE APPROPRIATE**, as examples of the types of response actions which are recommended.)

|                                     |                                 |  |  |
|-------------------------------------|---------------------------------|--|--|
| <input type="checkbox"/>            | SITE SECURITY                   | <input type="checkbox"/> DRAINAGE CONTROL  | <input type="checkbox"/> IMPOUNDMENT STABILIZATION           |
| <input checked="" type="checkbox"/> | REMOVAL OF DRUMS, BARRELS, ETC  | <input type="checkbox"/> SOIL CAPPING      | <input type="checkbox"/> SOIL EXCAVATION                     |
| <input checked="" type="checkbox"/> | CONTAIN TREAT DISPOSE OF WASTES | <input type="checkbox"/> CHEMICAL CONTROLS | <input type="checkbox"/> ALTERNATIVE DRINKING WATER SUPPLIES |

COMMENT ERRP recommending time-critical removal for all drums and waste piles containing process wastes at the facility

ADDITIONAL REMOVAL SITE EVALUATION RECOMMENDED

(Cite one or more of the conditions or factors from Section IV. **CONDITIONS TO WARRANT A REMOVAL ACTION**, as a basis for recommending that additional site evaluation be performed.)

|                                     |  |  |  |
|-------------------------------------|--|--|--|
| <input checked="" type="checkbox"/> | EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS OR CONTAMINANTS | <input type="checkbox"/>                             | ADVERSE WEATHER IMPACTS                    |
| <input type="checkbox"/>            | CONTAMINATED DRINKING WATER                                    | <input type="checkbox"/> FIRE/EXPLOSION THREAT       | <input type="checkbox"/> CONTAMINATED SOIL |
| <input checked="" type="checkbox"/> | DRUMS, BARRELS OR CONTAINERS                                   | <input type="checkbox"/> NO OTHER RESPONSE MECHANISM | <input type="checkbox"/> OTHER FACTORS     |

(Identify one or more of the removal actions listed in Section V. **REMOVAL ACTIONS WHICH MAY BE APPROPRIATE**, as examples of the types of response actions which may be appropriate pending the results of further site evaluation.)

|                                     |                                  |  |  |
|-------------------------------------|----------------------------------|--|--|
| <input type="checkbox"/>            | SITE SECURITY                    | <input type="checkbox"/> DRAINAGE CONTROL        | <input type="checkbox"/> IMPOUNDMENT STABILIZATION           |
| <input type="checkbox"/>            | REMOVAL OF DRUMS, BARRELS, TANKS | <input checked="" type="checkbox"/> SOIL CAPPING | <input checked="" type="checkbox"/> SOIL EXCAVATION          |
| <input checked="" type="checkbox"/> | CONTAIN TREAT DISPOSE OF WASTE   | <input type="checkbox"/> CHEMICAL CONTROLS       | <input type="checkbox"/> ALTERNATIVE DRINKING WATER SUPPLIES |

COMMENT Historical contamination at the facility includes metals (lead, cadmium) contaminated soils, contaminated ground water, and potential for buried wastes in a former quarry. Site should be evaluated for future removal/remedial actions.



## SUPERFUND REMOVAL SITE EVALUATION and REMOVAL PRELIMINARY ASSESSMENT

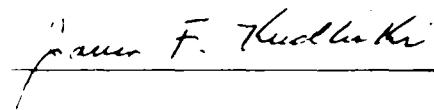
### VII. RECOMMENDATIONS

ERRP was requested to evaluate the contents and conditions of drums containing process wastes stored at the facility and recommend whether a removal action is necessary to abate public or environmental health threats. Over 1,313 55-gallon drums of process wastes, including two waste piles, were documented at the facility. Approximately 96 drums and two waste piles were sampled for total metals, TCLP metals, VOCs, TCLP VOCs, pH, and flash point. All drums and waste piles sampled contained one or more of 16 different CERCLA hazardous substances. In addition, 28 drums and 2 waste piles were also found to contain RCRA hazardous wastes.

Considering the potential public and environmental health threats posed by the drummed wastes and waste piles, R.V. Hopkins previous regulatory history, lack of knowledge among facility workers pertaining to proper handling of hazardous wastes/materials, and uncertainty regarding the managerial, technical, and financial ability of R.V. Hopkins to manage their environmental obligations in a responsible manner, EERP is recommending that all drums of process wastes and waste piles should be removed from the facility under a EPA (RCRA or Superfund) enforcement action or Superfund-financed Time-Critical Removal Action.

### VIII. CERTIFICATION

SIGNATURE:



July 1, 1997  
DATE

POSITION/TITLE: James F. Kudlinski, OSC

OFFICE/AGENCY: EERP/SUPR, U.S. EPA Region VII



\* FILE COPY \*\*  
(RED)  
VALIDATED DATA

ANALYSIS REQUEST REPORT

FOR ACTIVITY: APXXS

KUDLINSKI, JIM

06/24/97 09:55:30

ALL REAL SAMPLES AND FIELD Q.C.

\* FINAL REPORT

FY: 97 ACTIVITY: APXXS

DESCRIPTION: R.V. HOPKINS

LOCATION: DAVENPORT IOWA

PROJECT: L30

LABO DUE DATE IS 6/ 7/97. REPORT DUE DATE IS 7/ 6/97.  
INSPECTION DATE: 5/ 7/97 ALL SAMPLES RECEIVED DATE: 05/08/97

ALL DATA APPROVED BY LABO DATE: 06/23/97 FINAL REPORT TRANSMITTED DATE: 06/24/97  
EXPECTED LABO TURNAROUND TIME IS 30 DAYS  
ACTUAL LABO TURNAROUND TIME IS 46 DAYS  
SITE CODE: XS SITE: R.V. HOPKINS

| SAMP. NO. | QCC N | DESCRIPTION | SAMPLE # | STATUS    | CITY | STATE    | AIRS/ STORE LOC NO | SECT ER  | LAY- DATE | BEG. TIME | END. DATE | BEG. TIME |
|-----------|-------|-------------|----------|-----------|------|----------|--------------------|----------|-----------|-----------|-----------|-----------|
| 100       | S     | A006        | 1        | DAVENPORT | IOWA | 05/06/97 | 10:35              | 05/06/97 | 10:35     | 10:40     | 05/06/97  | 10:40     |
| 101       | S     | A013        | 1        | DAVENPORT | IOWA | 05/06/97 | 10:40              | 05/06/97 | 10:40     | 10:45     | 05/06/97  | 10:45     |
| 102       | S     | A018        | 1        | DAVENPORT | IOWA | 05/06/97 | 10:45              | 05/06/97 | 10:45     | 10:50     | 05/06/97  | 10:50     |
| 103       | S     | A025        | 1        | DAVENPORT | IOWA | 05/06/97 | 10:50              | 05/06/97 | 10:50     | 10:55     | 05/06/97  | 10:55     |
| 104       | H     | A033        | 1        | DAVENPORT | IOWA | 05/06/97 | 10:55              | 05/06/97 | 10:55     | 11:00     | 05/06/97  | 11:00     |
| 105       | S     | A034        | 1        | DAVENPORT | IOWA | 05/06/97 | 11:00              | 05/06/97 | 11:00     | 11:25     | 05/06/97  | 11:25     |
| 106       | S     | A040        | 1        | DAVENPORT | IOWA | 05/06/97 | 11:25              | 05/06/97 | 11:25     | 11:30     | 05/06/97  | 11:30     |
| 107       | S     | A045        | 1        | DAVENPORT | IOWA | 05/06/97 | 11:30              | 05/06/97 | 11:30     | 11:45     | 05/06/97  | 11:45     |
| 108       | H     | A050        | 1        | DAVENPORT | IOWA | 05/06/97 | 11:45              | 05/06/97 | 11:45     | 11:50     | 05/06/97  | 11:50     |
| 109       | S     | A068        | 1        | DAVENPORT | IOWA | 05/06/97 | 11:50              | 05/06/97 | 11:50     | 11:55     | 05/06/97  | 11:55     |
| 110       | S     | A071        | 1        | DAVENPORT | IOWA | 05/06/97 | 11:55              | 05/06/97 | 11:55     | 12:00     | 05/06/97  | 12:00     |
| 111       | H     | A078        | 1        | DAVENPORT | IOWA | 05/06/97 | 12:00              | 05/06/97 | 12:00     | 12:45     | 05/06/97  | 12:45     |
| 112       | S     | A085        | 1        | DAVENPORT | IOWA | 05/06/97 | 12:45              | 05/06/97 | 12:45     | 12:50     | 05/06/97  | 12:50     |
| 113       | S     | A086        | 1        | DAVENPORT | IOWA | 05/06/97 | 12:50              | 05/06/97 | 12:50     | 12:56     | 05/06/97  | 12:56     |
| 114       | H     | A090        | 1        | DAVENPORT | IOWA | 05/06/97 | 12:56              | 05/06/97 | 12:56     | 13:00     | 05/06/97  | 13:00     |
| 115       | S     | A114        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:00              | 05/06/97 | 13:00     | 13:05     | 05/06/97  | 13:05     |
| 116       | S     | A128        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:05              | 05/06/97 | 13:05     | 13:10     | 05/06/97  | 13:10     |
| 117       | S     | A205        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:10              | 05/06/97 | 13:10     | 13:15     | 05/06/97  | 13:15     |
| 118       | S     | A194        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:15              | 05/06/97 | 13:15     | 13:18     | 05/06/97  | 13:18     |
| 119       | S     | A191        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:18              | 05/06/97 | 13:18     | 13:20     | 05/06/97  | 13:20     |
| 120       | S     | A186        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:15              | 05/06/97 | 13:15     | 13:18     | 05/06/97  | 13:18     |
| 121       | S     | A184        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:18              | 05/06/97 | 13:18     | 13:20     | 05/06/97  | 13:20     |
| 122       | S     | A179        | 1        | DAVENPORT | IOWA | 05/06/97 | 13:20              | 05/06/97 | 13:20     |           |           |           |



## VALIDATED DATA

| SAMP. NO.   | QCC N | AIRS/STORET | LOC NO | SECT ER   | LAY- DATE | BEG. TIME | END. DATE | END. TIME |
|-------------|-------|-------------|--------|-----------|-----------|-----------|-----------|-----------|
| SAMPLE #    | CITY  | STATE       |        |           |           |           |           |           |
| DESCRIPTION |       |             |        |           |           |           |           |           |
| 123         | S     | A177        | 1      | DAVENPORT | 05/06/97  | 13:20     | 05/06/97  | 13:20     |
| 124         | S     | A173        | 1      | DAVENPORT | 05/06/97  | 13:25     | 05/06/97  | 13:25     |
| 125         | S     | A168        | 1      | DAVENPORT | 05/06/97  | 13:25     | 05/06/97  | 13:25     |
| 126         | H     | A165        | 1      | DAVENPORT | 05/06/97  | 13:30     | 05/06/97  | 13:30     |
| 127         | S     | A154        | 1      | DAVENPORT | 05/06/97  | 13:30     | 05/06/97  | 13:30     |
| 128         | S     | A152        | 1      | DAVENPORT | 05/06/97  | 13:32     | 05/06/97  | 13:32     |
| 129         | S     | A148        | 1      | DAVENPORT | 05/06/97  | 13:34     | 05/06/97  | 13:34     |
| 130         | H     | A143        | 1      | DAVENPORT | 05/06/97  | 13:35     | 05/06/97  | 13:35     |
| 131         | S     | A141        | 1      | DAVENPORT | 05/06/97  | 13:36     | 05/06/97  | 13:36     |
| 132         | S     | A252        | 1      | DAVENPORT | 05/06/97  | 13:38     | 05/06/97  | 13:38     |
| 133         | S     | A211        | 1      | DAVENPORT | 05/06/97  | 13:40     | 05/06/97  | 13:40     |
| 134         | H     | A394        | 1      | DAVENPORT | 05/06/97  | 13:42     | 05/06/97  | 13:42     |
| 135         | S     | A391        | 1      | DAVENPORT | 05/06/97  | 13:44     | 05/06/97  | 13:44     |
| 136         | S     | A388        | 1      | DAVENPORT | 05/06/97  | 13:45     | 05/06/97  | 13:45     |
| 137         | S     | A385        | 1      | DAVENPORT | 05/06/97  | 13:46     | 05/06/97  | 13:46     |
| 138         | S     | A382        | 1      | DAVENPORT | 05/06/97  | 13:46     | 05/06/97  | 13:46     |
| 139         | S     | A376        | 1      | DAVENPORT | 05/06/97  | 13:47     | 05/06/97  | 13:47     |
| 140         | H     | A372        | 1      | DAVENPORT | 05/06/97  | 13:50     | 05/06/97  | 13:50     |
| 141         | H     | A371        | 1      | DAVENPORT | 05/06/97  | 13:50     | 05/06/97  | 13:50     |
| 142         | S     | A364        | 1      | DAVENPORT | 05/06/97  | 13:52     | 05/06/97  | 13:52     |
| 143         | S     | A362        | 1      | DAVENPORT | 05/06/97  | 13:53     | 05/06/97  | 13:53     |
| 144         | S     | A359        | 1      | DAVENPORT | 05/06/97  | 13:55     | 05/06/97  | 13:55     |
| 145         | S     | A348        | 1      | DAVENPORT | 05/06/97  | 13:58     | 05/06/97  | 13:58     |
| 146         | S     | A345        | 1      | DAVENPORT | 05/06/97  | 14:00     | 05/06/97  | 14:00     |
| 147         | S     | A340        | 1      | DAVENPORT | 05/06/97  | 14:02     | 05/06/97  | 14:02     |
| 148         | S     | A337        | 1      | DAVENPORT | 05/06/97  | 14:05     | 05/06/97  | 14:05     |
| 149         | S     | A462        | 1      | DAVENPORT | 05/06/97  | 14:03     | 05/06/97  | 14:03     |
| 150         | S     | A468        | 1      | DAVENPORT | 05/06/97  | 14:04     | 05/06/97  | 14:04     |
| 151         | S     | A473        | 1      | DAVENPORT | 05/06/97  | 14:05     | 05/06/97  | 14:05     |
| 152         | S     | A476        | 1      | DAVENPORT | 05/06/97  | 14:07     | 05/06/97  | 14:07     |
| 153         | S     | A478        | 1      | DAVENPORT | 05/06/97  | 14:08     | 05/06/97  | 14:08     |
| 154         | S     | A485        | 1      | DAVENPORT | 05/06/97  | 14:10     | 05/06/97  | 14:10     |
| 155         | S     | A488        | 1      | DAVENPORT | 05/06/97  | 14:10     | 05/06/97  | 14:10     |
| 156         | S     | A496        | 1      | DAVENPORT | 05/06/97  | 14:12     | 05/06/97  | 14:12     |
| 157         | S     | A501        | 1      | DAVENPORT | 05/06/97  | 14:12     | 05/06/97  | 14:12     |
| 158         | S     | A503        | 1      | DAVENPORT | 05/06/97  | 14:15     | 05/06/97  | 14:15     |
| 159         | S     | A508        | 1      | DAVENPORT | 05/06/97  | 14:30     | 05/06/97  | 14:30     |
| 160         | S     | A514        | 1      | DAVENPORT | 05/06/97  | 14:32     | 05/06/97  | 14:32     |
| 161         | H     | A518        | 1      | DAVENPORT | 05/06/97  | 14:35     | 05/06/97  | 14:35     |
| 162         | S     | A521        | 1      | DAVENPORT | 05/06/97  | 14:36     | 05/06/97  | 14:36     |
| 163         | S     | A529        | 1      | DAVENPORT | 05/06/97  | 15:20     | 05/06/97  | 15:20     |
| 164         | S     | A535        | 1      | DAVENPORT | 05/06/97  | 15:30     | 05/06/97  | 15:30     |
| 165         | S     | A542        | 1      | DAVENPORT | 05/06/97  | 15:32     | 05/06/97  | 15:32     |
| 166         | S     | A545        | 1      | DAVENPORT | 05/06/97  | 15:35     | 05/06/97  | 15:35     |
| 167         | S     | A558        | 1      | DAVENPORT | 05/06/97  | 15:42     | 05/06/97  | 15:42     |
| 168         | S     | A564        | 1      | DAVENPORT | 05/06/97  | 15:42     | 05/06/97  | 15:42     |
| 169         | S     | A623        | 1      | DAVENPORT | 05/06/97  | 16:35     | 05/06/97  | 16:35     |
| 170         | H     | A604        | 1      | DAVENPORT | 05/06/97  | 16:40     | 05/06/97  | 16:40     |
| 171         | S     | A590        | 1      | DAVENPORT | 05/06/97  | 16:45     | 05/06/97  | 16:45     |
| 172         | S     | A586        | 1      | DAVENPORT | 05/06/97  | 16:45     | 05/06/97  | 16:45     |
| 173         | H     | A584        | 1      | DAVENPORT | 05/06/97  | 16:45     | 05/06/97  | 16:45     |
| 174         | S     | A430        | 1      | DAVENPORT | 05/06/97  | 16:45     | 05/06/97  | 16:45     |
| 175         | S     | A598        | 1      | DAVENPORT | 05/06/97  | 16:45     | 05/06/97  | 16:45     |
| 176         | S     | A609        | 1      | DAVENPORT | 05/06/97  | 16:45     | 05/06/97  | 16:45     |



## VALIDATED DATA

| SAMP. NO. | QCC | M | DESCRIPTION | SAMPLE # | STATUS    | CITY | STATE    | AIRS/STORET | LOC NO   | LAY-SECT ER | BEG. DATE | BEG. TIME | END. DATE | END. TIME |
|-----------|-----|---|-------------|----------|-----------|------|----------|-------------|----------|-------------|-----------|-----------|-----------|-----------|
| 177       | S   |   | A319        | 1        | DAVENPORT | IOWA | 05/06/97 | 16:50       | 05/06/97 | 16:50       |           |           |           |           |
| 178       | S   |   | A066        | 1        | DAVENPORT | IOWA | 05/06/97 | 17:10       | 05/06/97 | 17:10       |           |           |           |           |
| 179       | S   |   | A231        | 1        | DAVENPORT | IOWA | 05/06/97 | 17:15       | 05/06/97 | 17:15       |           |           |           |           |
| 180       | S   |   | WP1         | 1        | DAVENPORT | IOWA | 05/07/97 | 09:00       | 05/07/97 | 09:00       |           |           |           |           |
| 181       | S   |   | WP2         | 1        | DAVENPORT | IOWA | 05/07/97 | 09:05       | 05/07/97 | 09:05       |           |           |           |           |
| 182       | S   |   | D076        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:00       | 05/07/97 | 09:00       |           |           |           |           |
| 183       | S   |   | D081        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:03       | 05/07/97 | 09:03       |           |           |           |           |
| 184       | S   |   | D002        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:06       | 05/07/97 | 09:06       |           |           |           |           |
| 185       | S   |   | D099        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:09       | 05/07/97 | 09:09       |           |           |           |           |
| 186       | S   |   | D134        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:12       | 05/07/97 | 09:12       |           |           |           |           |
| 187       | S   |   | D180        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:15       | 05/07/97 | 09:15       |           |           |           |           |
| 188       | S   |   | D165        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:18       | 05/07/97 | 09:18       |           |           |           |           |
| 189       | S   |   | D038        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:30       | 05/07/97 | 09:30       |           |           |           |           |
| 190       | S   |   | D071        | 1        | DAVENPORT | IOWA | 05/07/97 | 09:35       | 05/07/97 | 09:35       |           |           |           |           |
| 191       | S   |   | B083        | 1        | DAVENPORT | IOWA | 05/07/97 | 10:30       | 05/07/97 | 10:30       |           |           |           |           |
| 192       | S   |   | B091        | 1        | DAVENPORT | IOWA | 05/07/97 | 10:35       | 05/07/97 | 10:35       |           |           |           |           |
| 193       | S   |   | B008        | 1        | DAVENPORT | IOWA | 05/07/97 | 10:40       | 05/07/97 | 10:40       |           |           |           |           |
| 194       | S   |   | B024        | 1        | DAVENPORT | IOWA | 05/07/97 | 10:45       | 05/07/97 | 10:45       |           |           |           |           |
| 195       | S   |   | B055        | 1        | DAVENPORT | IOWA | 05/07/97 | 10:50       | 05/07/97 | 10:50       |           |           |           |           |
| 196       | S   |   | B124        | 1        | DAVENPORT | IOWA | 05/07/97 | 10:55       | 05/07/97 | 10:55       |           |           |           |           |
| 197       | S   |   | B151        | 1        | DAVENPORT | IOWA | 05/07/97 | 11:00       | 05/07/97 | 11:00       |           |           |           |           |



EXPLANATION OF CODES AND INFORMATION ON ANALYSIS REQUEST DETAIL REPORT

SAMPLE INFORMATION:

ANALYTICAL RESULTS/MEASUREMENTS INFORMATION:

SAMP. NO. = SAMPLE IDENTIFICATION NUMBER (A 3-DIGIT NUMBER WHICH IN COMBINATION WITH THE ACTIVITY NUMBER AND QCC, PROVIDES AN UNIQUE NUMBER FOR EACH SAMPLE FOR IDENTIFICATION PURPOSES)

QCC = QUALITY CONTROL CODE (A ONE-LETTER CODE USED TO DESIGNATE SPECIFIC QC SAMPLES. THIS FIELD WILL BE BLANK FOR ALL NON-QC OR ACTUAL SAMPLES);

B = CAL INCREASED CONCENTRATION FOR A LAB SPIKED DUP SAMPLE

D = MEASURED VALUE FOR FIELD DUPLICATE SAMPLE

F = MEASURED VALUE FOR FIELD BLANK

G = MEASURED VALUE FOR METHOD STANDARD

H = TRUE VALUE FOR METHOD STANDARD

K = CAL INCREASED CONCENTRATION FOR FIELD SPIKED DUP SAMPLE

L = MEASURED VALUE FOR A LAB DUPLICATE SAMPLE

M = MEASURED VALUE FOR LAB BLANK

N = MEASURED CONCENTRATION OF FIELD SPIKED DUPLICATE

P = MEASURED VALUE FOR PERFORMANCE STANDARD

R = CAL INCREASED CONCENTRATION OF FIELD SPIKE

S = MEASURED CONCENTRATION OF LAB SPIKED SAMPLE

T = TRUE VALUE OF PERFORMANCE STANDARD

W = MEASURED CONCENTRATION OF LAB SPIKED DUPLICATE

Y = MEASURED CONCENTRATION OF FIELD SPIKED SAMPLE

Z = CAL INCREASED CONCENTRATION RESULTING FROM FIELD SPIKE

1 = MEASURED VALUE OF FIRST SPIKED REPLICATE

2 = MEASURED VALUE OF SECOND SPIKED REPLICATE

3 = MEASURED VALUE OF THIRD SPIKED REPLICATE

4 = MEASURED VALUE OF FOURTH SPIKED REPLICATE

5 = MEASURED VALUE OF FIFTH SPIKED REPLICATE

6 = MEASURED VALUE OF SIXTH SPIKED REPLICATE

7 = MEASURED VALUE OF SEVENTH SPIKED REPLICATE

M = MEDIA CODE (A ONE-LETTER CODE DESIGNATING THE MEDIA OF THE SAMPLE):

A = AIR H = HAZARDOUS WASTE/OTHER

S = SOLID (SOIL, SEDIMENT, SLUDGE)

T = TISSUE (PLANT & ANIMAL)

W = WATER (GROUND WATER, SURFACE WATER, WASTE WATER, DRINKING WATER)

DESCRIPTION = A SHORT DESCRIPTION OF THE LOCATION WHERE SAMPLE WAS COLLECTED

AIRS/STORET LOC. NO. = THE SPECIFIC LOCATION ID NUMBER OF EITHER OF THESE NATIONAL DATABASE SYSTEMS, AS APPROPRIATE DATE/TIME INFORMATION = SPECIFIC INFORMATION REGARDING WHEN THE SAMPLE WAS COLLECTED

BEG. DATE = DATE SAMPLING WAS STARTED

BEG. TIME = TIME SAMPLING WAS STARTED

END DATE = DATE SAMPLING WAS COMPLETED

END TIME = TIME SAMPLING WAS COMPLETED

NOTE: A GRAB SAMPLE WILL CONTAIN ONLY BEG. DATE/TIME

A TIMED COMPOSITE SAMPLE WILL CONTAIN BOTH BEG AND END DATE/TIME TO DESIGNATE DURATION OF SAMPLE COLLECTION

M

DATA QUALIFIERS = A MEDIA GROUP-PARAMETER) CODE AND NAME OF THE MEASURED CONSTITUENT OR CHARACTERISTIC OF EACH SAMPLE

UNITS = SPECIFIC UNITS IN WHICH RESULTS ARE REPORTED:

C = CENTIGRADE (CELSIUS) DEGREES

CFS = CUBIC FEET PER SECOND

GPM = GALLONS PER MINUTE

IN = INCHES

I.D. = SPECIES IDENTIFICATION

KG = KILOGRAM

L = LITER

LB = POUNDS

MG = MILLIGRAMS ( $1 \times 10^{-3}$  GRAMS)

MGD = MILLION GALLONS PER DAY

MPH = MILES PER HOUR

MV = MILLIVOLT

M/F = MALE/FEMALE

M2 = SQUARE METER

M3 = CUBIC METER

NA = NOT APPLICABLE

NG = NANOGRAMS ( $1 \times 10^{-9}$  GRAMS)

NTU = NEPHELOMETRIC TURBIDITY UNITS

PC/L = PICO (1  $\times 10^{-12}$ ) CURRIES PER LITER

PG = PICOGRAMS ( $1 \times 10^{-12}$  GRAMS)

P/CN2 = PICOCGRAMS PER SQUARE CENTIMETER

SCM = STANDARD CUBIC METER (1 ATM, 25 °C)

SQ FT = SQUARE FEET

SU = STANDARD UNITS (PH)

UG = MICROGRAMS ( $1 \times 10^{-6}$  GRAMS)

UMhos = MICROMHOS/CM (CONDUCTIVITY UNITS)

U/CN2 = MICROGRAMS PER 100 SQUARE CENTIMETERS

1600G = 1000 GALLONS

+/- = NUMBER

# = POSITIVE/NEGATIVE

DATA QUALIFIERS = SPECIFIC CODES USED IN CONJUNCTION WITH DATA VALUES TO PROVIDE ADDITIONAL INFORMATION ON THE REPORTED RESULTS, OR USED TO EXPLAIN THE ABSENCE OF A SPECIFIC VALUE:

BLANK = IF FIELD IS BLANK, NO REMARKS OR QUALIFIERS ARE PERTINENT. FOR FINAL REPORTED DATA, THIS MEANS THAT THE VALUES HAVE BEEN REVIEWED AND FOUND TO BE ACCEPTABLE FOR USE.

I = INVALID SAMPLE/DATA - QC PROCEDURES

J = DATA REPORTED BUT NOT VALID BY APPROVED

K = ACTUAL VALUE OF SAMPLE IS  $<$  VALUE REPORTED

L = ACTUAL VALUE OF SAMPLE IS  $>$  VALUE REPORTED

M = DETECTED BUT BELOW THE LEVEL OF REPORTED VALUE FOR ACCURATE QUANTIFICATION

O = PARAMETER NOT ANALYZED

U = ACTUAL VALUE OF SAMPLE IS  $\leq$  THE MEASUREMENT DETECTION LIMIT (REPORTED VALUE)

OTHER CODES

V = VALIDATED



## ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5

## VALIDATED DATA

| COMPOUND  | UNITS  | 100 | 101 | 102 | 103 | 104      |
|---|--------|-----|-----|-----|-----|----------|
| HFO1 PH, HAZARD WASTE                             | :SU    |     |     |     |     | 8.39     |
| HG22 FLASHPOINT (FLAMMABILITY)                    | :C     |     |     |     |     | 85.0 L   |
| HM01 SILVER, TOTAL, BY ICAP                       | :MG/KG |     |     |     |     | 2.00 U   |
| HM03 ARSENIC, TOTAL, BY ICAP                      | :MG/KG |     |     |     |     | 100 U    |
| HM04 BARIUM, TOTAL, BY ICAP                       | :MG/KG |     |     |     |     | 452      |
| HM06 CADMIUM, TOTAL, BY ICAP                      | :MG/KG |     |     |     |     | 1130     |
| HM08 CHROMIUM, TOTAL, BY ICAP                     | :MG/KG |     |     |     |     | 270      |
| HM14 LEAD, TOTAL, BY ICAP                         | :MG/KG |     |     |     |     | 1880     |
| HM16 SELENIUM, BY ICAP                            | :MG/KG |     |     |     |     | 196      |
| HM51 SILVER, TCLP                                 | :MG/L  |     |     |     |     | 0.0100 U |
| HM52 ARSENIC, TCLP                                | :MG/L  |     |     |     |     | 0.0500 U |
| HM53 BARIUM, TCLP                                 | :MG/L  |     |     |     |     | 0.613    |
| HM54 CADMIUM, TCLP                                | :MG/L  |     |     |     |     | 0.156    |
| HM55 CHROMIUM, TCLP                               | :MG/L  |     |     |     |     | 0.183    |
| HM56 LEAD, TCLP                                   | :MG/L  |     |     |     |     | 6.02     |
| HM57 SELENIUM, TCLP                               | :MG/L  |     |     |     |     | 0.0500 U |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)          | :UG/L  |     |     |     |     | 18000 U  |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)          | :UG/L  |     |     |     |     | 18000 U  |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)          | :UG/L  |     |     |     |     | 23000 U  |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)              | :UG/L  |     |     |     |     | 49000 U  |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)              | :UG/L  |     |     |     |     | 18000 U  |
| HU11 BROMODICHLOROMETHANE, BY GC/MS               | :UG/L  |     |     |     |     | 18000 U  |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)            | :UG/L  |     |     |     |     | 14000 U  |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)         | :UG/L  |     |     |     |     | 18000 U  |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME)     | :UG/L  |     |     |     |     | 14000 U  |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VOLUME) | :UG/L  |     |     |     |     | 18000 U  |



## ANALYSIS REQUEST DETAIL REPORT

VALIDATED DATA

## ACTIVITY: 7-APXX5

| COMPOUND  | UNITS | 100 | 101 | 102 | 103      | 104 |
|---|-------|-----|-----|-----|----------|-----|
| HU16 CHLOROBENZENE, BY GC/MS                              | UG/L  |     |     |     | 18000    | U   |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)                 | UG/L  |     |     |     | 18000    | U   |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)                | UG/L  |     |     |     | 32000    | U   |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)                   | UG/L  |     |     |     | 18000    | U   |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VOLUME)         | UG/L  |     |     |     | 14000    | U   |
| HU21 DICHLOROETHANE, 1, 1-, BY GC/MS (MASS/VOLUME)        | UG/L  |     |     |     | 14000    | U   |
| HU22 DICHLOROETHANE, 1, 2-, BY GC/MS (MASS/VOLUME)        | UG/L  |     |     |     | 18000    | U   |
| HU23 DICHLOROETHYLENE, 1, 1-, BY GC/MS (MASS/VOLUME)      | UG/L  |     |     |     | 18000    | U   |
| HU24 DICHLOROETHYLENE, 1, 2-, TOTAL (MASS/VOLUME)         | UG/L  |     |     |     | 14000    | U   |
| HU25 DICHLOROPROPANE, 1, 2- BY GC/MS (MASS/VOLUME)        | UG/L  |     |     |     | 18000    | U   |
| HU26 DICHLOROPROPYLENE, CIS-1, 3-, BY GC/MS (MASS:UG/L)   | UG/L  |     |     |     | 23000    | U   |
| HU27 DICHLOROPROPYLENE, TRANS-1, 3 (MASS:VOL:UG/L)        | UG/L  |     |     |     | 14000    | U   |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)                | UG/L  |     |     |     | 930000   |     |
| HU29 HEXANONE, 2- (MASS/VOLUME)                           | UG/L  |     |     |     | 63000    | U   |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLUME)           | UG/L  |     |     |     | 18000    | U   |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)                    | UG/L  |     |     |     | 81000    |     |
| HU32 STYRENE, BY GC/MS (MASS/VOLUME)                      | UG/L  |     |     |     | 4000000  |     |
| HU33 TETRACHLOROETHANE, 1, 1, 2, 2-, BY GC/MS (MASS:UG/L) | UG/L  |     |     |     | 14000    | U   |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOLUME)          | UG/L  |     |     |     | 18000    | U   |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)                      | UG/L  |     |     |     | 15000000 |     |
| HU36 TRICHLOROETHANE, 1, 1, 2-, BY GC/MS (MASS:UG/L)      | UG/L  |     |     |     | 18000    | U   |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUME)            | UG/L  |     |     |     | 18000    | U   |
| HU38 TRICHLOROETHANE, 1, 1, 1-, BY GC/MS (MASS:UG/L)      | UG/L  |     |     |     | 18000    | U   |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)               | UG/L  |     |     |     | 23000    | U   |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)                     | UG/L  |     |     |     | 33000000 |     |
| HU41 XYLENE, ORTHO (MASS/VOLUME)                          | UG/L  |     |     |     | 10000000 |     |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5  
VALIDATED DATA

| COMPOUND                                | UNITS | 100    | 101     | 102    | 103    | 104 |
|---|-------|--------|---------|--------|--------|-----|
| HU43 4-METHYL-2-PENTANONE (MASS/VOLUME) | UG/L  |        |         |        |        |     |
| HV40 CHLOROFORM, TCLP                   | MG/L  |        |         |        |        |     |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | MG/L  |        |         |        |        |     |
| HV42 CARBON TETRACHLORIDE, TCLP         | MG/L  |        |         |        |        |     |
| HV43 BENZENE, TCLP                      | MG/L  |        |         |        |        |     |
| HV44 CHLOROBENZENE, TCLP                | MG/L  |        |         |        |        |     |
| HV45 DICHLOROETHYLENE, 1, 1-, TCLP      | MG/L  |        |         |        |        |     |
| HV46 METHYL ETHYL KETONE, TCLP          | MG/L  |        |         |        |        |     |
| HV47 TETRACHLOROETHYLENE, TCLP          | MG/L  |        |         |        |        |     |
| HV48 TRICHLOROETHYLENE, TCLP            | MG/L  |        |         |        |        |     |
| HV49 VINYL CHLORIDE, TCLP               | MG/L  |        |         |        |        |     |
| <b>S607 SOLIDS, PERCENT</b>             | %     | 75.2   | 71.1    | 94.6   | 96.8   |     |
| <b>SNO1 SILVER, TOTAL, BY ICAP</b>      | MG/KG | 5.12   | 0.512   | 0.512  | 0.512  | 0   |
| <b>SNO3 ARSENIC, TOTAL, BY ICAP</b>     | MG/KG | 7.92   | 0.792   | 0.792  | 0.792  | 0   |
| <b>SNO4 BARIUM, TOTAL, BY ICAP</b>      | MG/KG | 598    | 944     | 226    | 704    |     |
| <b>SNO6 CADMIUM, TOTAL, BY ICAP</b>     | MG/KG | 9.21   | 5.72    | 31.0   | 37.8   |     |
| <b>SNO8 CHROMIUM, TOTAL, BY ICAP</b>    | MG/KG | 2160   | 6090    | 708    | 740    |     |
| <b>SM14 LEAD, TOTAL, BY ICAP</b>        | MG/KG | 10100  | 31400   | 3110   | 4510   |     |
| <b>SM16 SELENIUM, TOTAL, BY ICAP</b>    | MG/KG | 20.1   | 0.201   | 0.201  | 0.201  | 0   |
| <b>SM46 SILVER, TCLP</b>                | MG/L  | 0.0100 | 0.0100  | 0.0100 | 0.0100 | 0   |
| <b>SM47 ARSENIC, TCLP</b>               | MG/L  | 0.0500 | 0.0500  | 0.0500 | 0.0500 | 0   |
| <b>SM48 BARIUM, TCLP</b>                | MG/L  | 5.24   | 0.602   | 2.03   | 4.08   |     |
| <b>SM49 CADMIUM, TCLP</b>               | MG/L  | 0.0213 | 0.00936 | 0.0484 | 0.0756 |     |
| <b>SM50 CHROMIUM, TCLP</b>              | MG/L  | 0.687  | 0.484   | 0.0100 | 0.0931 |     |
| <b>SM51 LEAD, TCLP</b>                  | MG/L  | 54.3   | 19.2    | 0.280  | 0.148  |     |
| <b>SM52 SELENIUM, TCLP</b>              | MG/L  | 0.0500 | 0.0500  | 0.0500 | 0.0500 | 0   |



## ANALYSIS REQUEST DETAIL REPORT

VALIDATED DATA

ACTIVITY: 7-APXXS

| COMPOUND           | UNITS | 100   | 101   | 102   | 103   | 104   |
|--------------------|-------|-------|-------|-------|-------|-------|
| ZZ01 SAMPLE NUMBER | NA    | 100   | 101   | 102   | 103   | 104   |
| ZZ02 ACTIVITY CODE | NA    | APXXS | APXXS | APXXS | APXXS | APXXS |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS  
VALIDATED DATA

| COMPOUND  | UNITS | 105 | 106 | 107  | 108    | 109  |
|---|-------|-----|-----|------|--------|------|
| HF01 PH, HAZARD WASTE                             | SU    |     |     |      |        | 6.92 |
| HG22 FLASHPOINT (FLAMMABILITY)                    | C     |     |     |      | 85.0   | L    |
| HM01 SILVER, TOTAL, BY ICAP                       | MG/KG |     |     | 2.00 | U      |      |
| HM03 ARSENIC, TOTAL, BY ICAP                      | MG/KG |     |     | 100  | U      |      |
| HM04 BARIUM, TOTAL, BY ICAP                       | MG/KG |     |     |      |        |      |
| HM06 CADMIUM, TOTAL, BY ICAP                      | MG/KG |     |     |      |        |      |
| HM08 CHROMIUM, TOTAL, BY ICAP                     | MG/KG |     |     |      |        |      |
| HM14 LEAD, TOTAL, BY ICAP                         | MG/KG |     |     | 1410 |        |      |
| HM16 SELENIUM, BY ICAP                            | MG/KG |     |     |      | 100    | U    |
| HM51 SILVER, TCLP                                 | MG/L  |     |     |      | 0.0100 | U    |
| HM52 ARSENIC, TCLP                                | MG/L  |     |     |      | 0.0500 | U    |
| HM53 BARIUM, TCLP                                 | MG/L  |     |     |      |        | 5.39 |
| HM54 CADMIUM, TCLP                                | MG/L  |     |     |      | 0.0218 |      |
| HM55 CHROMIUM, TCLP                               | MG/L  |     |     |      | 0.0365 |      |
| HM56 LEAD, TCLP                                   | MG/L  |     |     |      |        | 3.63 |
| HM57 SELENIUM, TCLP                               | MG/L  |     |     |      | 0.0500 | U    |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)          | UG/L  |     |     |      |        |      |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)          | UG/L  |     |     |      | 1600   | U    |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)          | UG/L  |     |     |      | 1600   | U    |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)              | UG/L  |     |     |      | 2000   | U    |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)              | UG/L  |     |     |      |        |      |
| HU11 BROMODICHLOROMETHANE, BY GC/MS               | UG/L  |     |     |      | 1600   | U    |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)            | UG/L  |     |     |      | 1200   | U    |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)         | UG/L  |     |     |      | 1600   | U    |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME)     | UG/L  |     |     |      | 1200   | U    |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VOUG/L) | UG/L  |     |     |      | 1600   | U    |



## ANALYSIS REQUEST DETAIL REPORT

## VALIDATED DATA

## ACTIVITY: 7-APXX5

| COMPOUND  | UNITS                  | 105 | 106 | 107 | 108    | 109 |
|---|------------------------|-----|-----|-----|--------|-----|
| HU16 CHLOROBENZENE, BY GC/MS                            | UG/L                   |     |     |     | 1600   | U   |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)               | UG/L                   |     |     |     | 1600   | U   |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)              | UG/L                   |     |     |     | 2800   | U   |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)                 | UG/L                   |     |     |     | 1600   | U   |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VOLUME)       | UG/L                   |     |     |     | 1200   | U   |
| HU21 DICHLOROETHANE, 1,1-, BY GC/MS (MASS/VOLUME)       | UG/L                   |     |     |     | 1200   | U   |
| HU22 DICHLOROETHANE, 1,2-, BY GC/MS (MASS/VOLUME)       | UG/L                   |     |     |     | 1600   | U   |
| HU23 DICHLOROETHYLENE, 1,1-, BY GC/MS (MASS/VOLUME)     | UG/L                   |     |     |     | 1600   | U   |
| HU24 DICHLOROETHYLENE, 1,2-, TOTAL (MASS/VOLUME)        | UG/L                   |     |     |     | 1200   | U   |
| HU25 DICHLOROPROpane, 1,2 BY GC/MS (MASS/VOLUME)        | UG/L                   |     |     |     | 1600   | U   |
| HU26 DICHLOROPROPYLENE, CIS-1,3, BY GC/MS (MASS/VOLUME) | UG/L                   |     |     |     | 2000   | U   |
| HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLUME)         | UG/L                   |     |     |     | 1200   | U   |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)              | UG/L                   |     |     |     | 11000  |     |
| HU29 HEXANONE, 2-(MASS/VOLUME)                          | UG/L                   |     |     |     | 5600   | U   |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLUME)         | UG/L                   |     |     |     | 2000   | U   |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)                  | UG/L                   |     |     |     | 210000 |     |
| HU32 STYRENE, BY GC/MS (MASS/VOLUME)                    | UG/L                   |     |     |     | 1600   | U   |
| HU33 TETRACHLOROETHANE, 1,1,2,2, BY GC/MS (MASS/VOLUME) | UG/L                   |     |     |     | 1600   | U   |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOLUME)        | UG/L                   |     |     |     | 1600   | U   |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)                    | UG/L                   |     |     |     | 4200   |     |
| HU36 TRICHLOROETHANE, 1,1,2,-,                          | BY GC/MS (MASS/VOLUME) |     |     |     | 1600   | U   |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUME)          | UG/L                   |     |     |     | 1600   | U   |
| HU38 TRICHLOROETHANE, 1,1,1,-,                          | BY GC/MS (MASS/VOLUME) |     |     |     | 1600   | U   |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)             | UG/L                   |     |     |     | 2000   | U   |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)                   | UG/L                   |     |     |     | 400000 |     |
| HU41 XYLENE, ORTHO (MASS/VOLUME)                        | UG/L                   |     |     |     | 8200   |     |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS  
VALIDATED DATA

| COMPOUND                                | UNITS        | 105            | 106          | 107           | 108           | 109           |
|---|--------------|----------------|--------------|---------------|---------------|---------------|
| HU43 4-METHYL-2-PENTANONE (MASS/VOLUME) | UG/L         |                |              |               | 1200          | U             |
| HV40 CHLOROFORM, TCLP                   | MG/L         |                |              |               | 8             | U             |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | MG/L         |                |              |               | 8             | U             |
| HV42 CARBON TETRACHLORIDE, TCLP         | MG/L         |                |              |               | 8             | U             |
| HV43 BENZENE, TCLP                      | MG/L         |                |              |               | 8             | U             |
| HV44 CHLOROBENZENE, TCLP                | MG/L         |                |              |               | 8             | U             |
| HV45 DICHLOROETHYLENE, 1, 1-, TCLP      | MG/L         |                |              |               | 8             | U             |
| HV46 METHYL ETHYL KETONE, TCLP          | MG/L         |                |              |               | 270           |               |
| HV47 TETRACHLOROETHYLENE, TCLP          | MG/L         |                |              |               | 8             | U             |
| HV48 TRICHLOROETHYLENE, TCLP            | MG/L         |                |              |               | 8             | U             |
| HV49 VINYL CHLORIDE, TCLP               | MG/L         |                |              |               | 10            | U             |
| <b>SM07 SOLIDS, PERCENT</b>             | <b>X</b>     | <b>74.2</b>    | <b>86.3</b>  | <b>81.0</b>   | <b>75.7</b>   |               |
| <b>SM01 SILVER, TOTAL, BY ICAP</b>      | <b>MG/KG</b> | <b>5.12</b>    | <b>0</b>     | <b>5.12</b>   | <b>0</b>      | <b>5.12</b>   |
| <b>SM03 ARSENIC, TOTAL, BY ICAP</b>     | <b>MG/KG</b> | <b>7.92</b>    | <b>0</b>     | <b>7.92</b>   | <b>0</b>      | <b>7.92</b>   |
| <b>SM04 BARIUM, TOTAL, BY ICAP</b>      | <b>MG/KG</b> | <b>661</b>     | <b>161</b>   | <b>515</b>    | <b>1540</b>   |               |
| <b>SM06 CADMIUM, TOTAL, BY ICAP</b>     | <b>MG/KG</b> | <b>3.57</b>    | <b>4.57</b>  | <b>27.1</b>   | <b>61.6</b>   |               |
| <b>SM08 CHROMIUM, TOTAL, BY ICAP</b>    | <b>MG/KG</b> | <b>172</b>     | <b>119</b>   | <b>1500</b>   | <b>981</b>    |               |
| <b>SM14 LEAD, TOTAL, BY ICAP</b>        | <b>MG/KG</b> | <b>980</b>     | <b>1190</b>  | <b>3670</b>   | <b>7270</b>   |               |
| <b>SM16 SELENIUM, TOTAL, BY ICAP</b>    | <b>MG/KG</b> | <b>20.1</b>    | <b>0</b>     | <b>20.1</b>   | <b>0</b>      | <b>20.1</b>   |
| <b>SM46 SILVER, TCLP</b>                | <b>MG/L</b>  | <b>0.0100</b>  | <b>0</b>     | <b>0.0100</b> | <b>0</b>      |               |
| <b>SM47 ARSENIC, TCLP</b>               | <b>MG/L</b>  | <b>0.0500</b>  | <b>0</b>     | <b>0.0500</b> | <b>0</b>      | <b>0.0500</b> |
| <b>SM48 BARIUM, TCLP</b>                | <b>MG/L</b>  | <b>2.43</b>    | <b>4.49</b>  | <b>2.37</b>   | <b>1.10</b>   |               |
| <b>SM49 CADMIUM, TCLP</b>               | <b>MG/L</b>  | <b>0.00500</b> | <b>0</b>     | <b>0.0205</b> | <b>0.0863</b> | <b>0.0684</b> |
| <b>SM50 CHROMIUM, TCLP</b>              | <b>MG/L</b>  | <b>0.0914</b>  | <b>0.111</b> | <b>1.24</b>   | <b>0.118</b>  |               |
| <b>SM51 LEAD, TCLP</b>                  | <b>MG/L</b>  | <b>0.630</b>   | <b>2.25</b>  | <b>7.41</b>   | <b>0.101</b>  |               |
| <b>SM52 SELENIUM, TCLP</b>              | <b>MG/L</b>  | <b>0.0500</b>  | <b>0</b>     | <b>0.0500</b> | <b>0</b>      | <b>0.0500</b> |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

| COMPOUND           | UNITS | 105   | 106   | 107   | 108   | 109   |
|--------------------|-------|-------|-------|-------|-------|-------|
| ZZ01 SAMPLE NUMBER | NA    | 105   | 106   | 107   | 108   | 109   |
| ZZ02 ACTIVITY CODE | NA    | APXX5 | APXX5 | APXX5 | APXX5 | APXX5 |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5  
VALIDATED DATA

| COMPOUND  | UNITS | 110   | 111  | 112   | 113 | 114    |
|---|-------|-------|------|-------|-----|--------|
| HF01 PH, HAZARD WASTE                             | SU    |       | 12   | L     |     | 5.82   |
| HG22 FLASHPOINT (FLAMMABILITY)                    | C     |       | 85.0 | L     |     | 85.0 L |
| HM01 SILVER, TOTAL, BY ICAP                       | MG/KG | 0.200 | U    | 0.200 | U   |        |
| HM03 ARSENIC, TOTAL, BY ICAP                      | MG/KG | 10.0  | U    | 10.0  | U   |        |
| HM04 BARIUM, TOTAL, BY ICAP                       | MG/KG | 3.88  |      |       |     |        |
| HM06 CADMIUM, TOTAL, BY ICAP                      | MG/KG | 0.114 |      |       |     |        |
| HM08 CHROMIUM, TOTAL, BY ICAP                     | MG/KG | 3.25  |      |       |     |        |
| HM14 LEAD, TOTAL, BY ICAP                         | MG/KG | 12.8  |      |       |     |        |
| HM16 SELENIUM, BY ICAP                            | MG/KG | 10.0  | U    |       |     |        |
| HM51 SILVER, TCLP                                 | MG/L  | 5.00  | K    |       |     | 5.00 K |
| HM52 ARSENIC, TCLP                                | MG/L  | 5.00  | K    |       |     | 5.00 K |
| HM53 BARIUM, TCLP                                 | MG/L  | 100   | K    |       |     | 100 K  |
| HM54 CADMIUM, TCLP                                | MG/L  | 1.00  | K    |       |     | 1.00 K |
| HM55 CHROMIUM, TCLP                               | MG/L  | 5.00  | K    |       |     | 5.00 K |
| HM56 LEAD, TCLP                                   | MG/L  | 5.00  | K    |       |     | 5.00 K |
| HM57 SELENIUM, TCLP                               | MG/L  | 1.00  | K    |       |     | 1.00 K |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)          | UG/L  | 2000  | U    |       |     | 1600 U |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)          | UG/L  | 2000  | U    |       |     | 1600 U |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)          | UG/L  | 2500  | U    |       |     | 2000 U |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)              | UG/L  | 2000  | U    |       |     | 300000 |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)              | UG/L  | 2000  | U    |       |     | 1600 U |
| HU11 BROMODICHLOROMETHANE, BY GC/MS               | UG/L  | 2000  | U    |       |     | 1600 U |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)            | UG/L  | 1500  | U    |       |     | 1200 U |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)         | UG/L  | 2000  | U    |       |     | 1600 U |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME)     | UG/L  | 1500  | U    |       |     | 1200 U |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VOUG/L) | UG/L  | 2000  | U    |       |     | 1600 U |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

| COMPOUND  | UNITS | 110 | 111    | 112 | 113 | 114     |
|---|-------|-----|--------|-----|-----|---------|
| HU16 CHLOROBENZENE, BY GC/MS                          | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)             | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)            | UG/L  |     | 3500   | U   |     | 2800 U  |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)               | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO:UG/L)    | UG/L  |     | 1500   | U   |     | 1200 U  |
| HU21 DICHLOROETHANE, 1,1-, BY GC/MS (MASS/VOLU:UG/L)  | UG/L  |     | 1500   | U   |     | 1200 U  |
| HU22 DICHLOROETHANE, 1,2-, BY GC/MS (MASS/VOLU:UG/L)  | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU23 DICHLOROETHYLENE, 1,1-, BY GC/MS (MASS/VO:UG/L)  | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU24 DICHLOROETHYLENE, 1,2-, TOTAL (MASS/VOLU:UG/L)   | UG/L  |     | 1500   | U   |     | 1200 U  |
| HU25 DICHLOROPROPANE, 1,2- BY GC/MS (MASS/VOLU:UG/L)  | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU26 DICHLOROPROPYLENE, CIS-1,3-, BY GC/MS(MASS:UG/L) | UG/L  |     | 2500   | U   |     | 2000 U  |
| HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU:UG/L)    | UG/L  |     | 1500   | U   |     | 1200 U  |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)            | UG/L  |     | 15000  |     |     | 77000   |
| HU29 HEXANONE, 2- (MASS/VOLUME)                       | UG/L  |     | 7000   | U   |     | 5600 U  |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU:UG/L)    | UG/L  |     | 2000   | U   |     | 76000   |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)                | UG/L  |     | 14000  |     |     | 67000   |
| HU32 STYRENE, BY GC/MS (MASS/VOLUME)                  | UG/L  |     | 120000 |     |     | 3600000 |
| HU33 TETRACHLOROETHANE, 1,1,2,2, BY GC/MS(MASS:UG/L)  | UG/L  |     | 2000   | U   |     | 1200 U  |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL:UG/L)    | UG/L  |     | 2000   | U   |     | 3700    |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)                  | UG/L  |     | 17000  |     |     | 5700000 |
| HU36 TRICHLOROETHANE, 1,1,2-, BY GC/MS (MASS/UG/L)    | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLU:UG/L)     | UG/L  |     | 2000   | U   |     | 1600 U  |
| HU38 TRICHLOROETHANE, 1,1,1-, BY GC/MS (MASS/UG/L)    | UG/L  |     | 2600   |     |     | 1600 U  |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)           | UG/L  |     | 2500   | U   |     | 2000 U  |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)                 | UG/L  |     | 65000  |     |     | 270000  |
| HU41 XYLINE, ORTHO (MASS/VOLUME)                      | UG/L  |     | 22000  |     |     | 58000   |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS  
VALIDATED DATA

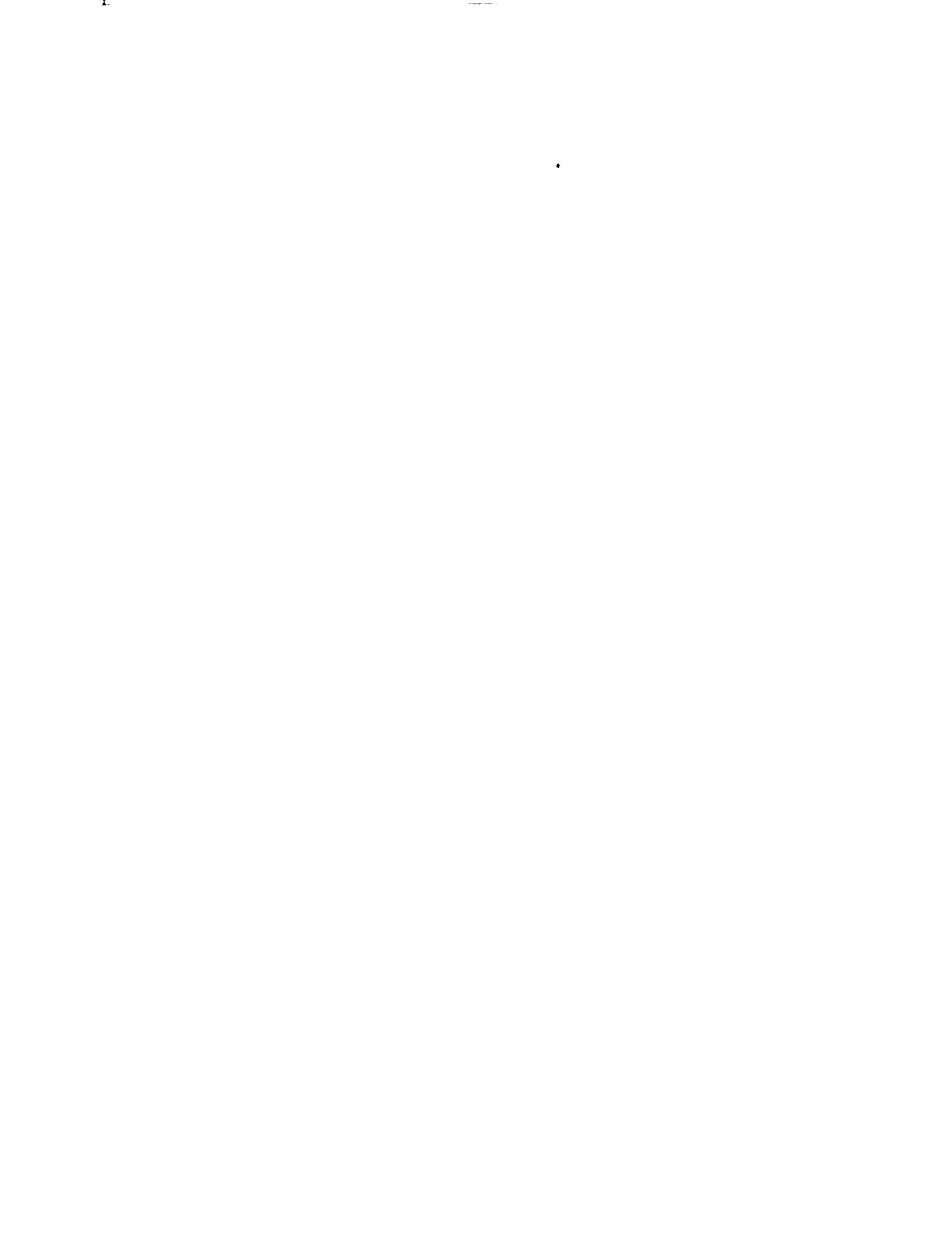
| COMPOUND                                | UNITS        | 110           | 111      | 112           | 113            | 114           |
|---|--------------|---------------|----------|---------------|----------------|---------------|
| HU43 4-METHYL-2-PENTANONE (MASS/VOLUME) | UG/L         | 1500          | U        |               | 1200           | U             |
| HV40 CHLOROFORM, TCLP                   | MG/L         | 0.4           | U        |               | 0.04           | U             |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | MG/L         | 0.4           | U        |               | 0.04           | U             |
| HV42 CARBON TETRACHLORIDE, TCLP         | MG/L         | 0.4           | U        |               | 0.04           | U             |
| HV43 BENZENE, TCLP                      | MG/L         | 0.4           | U        |               | 0.04           | U             |
| HV44 CHLOROBENZENE, TCLP                | MG/L         | 0.4           | U        |               | 0.04           | U             |
| HV45 DICHLOROETHYLENE, 1, 1-, TCLP      | MG/L         | 0.4           | U        |               | 0.16           |               |
| HV46 METHYL ETHYL KETONE, TCLP          | MG/L         | 1.5           | U        |               | 3.0            |               |
| HV47 TETRACHLOROETHYLENE, TCLP          | MG/L         | 0.4           | U        |               | 0.04           | U             |
| HV48 TRICHLOROETHYLENE, TCLP            | MG/L         | 0.4           | U        |               | 0.04           | U             |
| HV49 VINYL CHLORIDE, TCLP               | MG/L         | 0.2           | U        |               | 0.05           | U             |
| <b>SM07 SOLIDS, PERCENT</b>             | <b>%</b>     | <b>82.9</b>   |          | <b>79.9</b>   | <b>68.8</b>    |               |
| <b>SM01 SILVER, TOTAL, BY ICAP</b>      | <b>MG/KG</b> | <b>5.12</b>   | <b>U</b> | <b>5.12</b>   | <b>U</b>       | <b>5.12</b>   |
| <b>SM03 ARSENIC, TOTAL, BY ICAP</b>     | <b>MG/KG</b> | <b>7.92</b>   | <b>U</b> | <b>7.92</b>   | <b>U</b>       | <b>7.92</b>   |
| <b>SM04 BARIUM, TOTAL, BY ICAP</b>      | <b>MG/KG</b> | <b>1260</b>   |          | <b>109</b>    | <b>99.3</b>    |               |
| <b>SM06 CADMIUM, TOTAL, BY ICAP</b>     | <b>MG/KG</b> | <b>232</b>    |          | <b>9.44</b>   | <b>5.84</b>    |               |
| <b>SM08 CHROMIUM, TOTAL, BY ICAP</b>    | <b>MG/KG</b> | <b>4210</b>   |          | <b>953</b>    | <b>828</b>     |               |
| <b>SM14 LEAD, TOTAL, BY ICAP</b>        | <b>MG/KG</b> | <b>23100</b>  |          | <b>2010</b>   | <b>3850</b>    |               |
| <b>SM16 SELENIUM, TOTAL, BY ICAP</b>    | <b>MG/KG</b> | <b>20.1</b>   | <b>U</b> | <b>20.1</b>   | <b>U</b>       | <b>20.1</b>   |
| <b>SM46 SILVER, TCLP</b>                | <b>MG/L</b>  | <b>0.0100</b> | <b>U</b> | <b>0.0100</b> | <b>U</b>       | <b>0.0100</b> |
| <b>SM47 ARSENIC, TCLP</b>               | <b>MG/L</b>  | <b>0.0500</b> | <b>U</b> | <b>0.0500</b> | <b>U</b>       | <b>0.0500</b> |
| <b>SM48 BARIUM, TCLP</b>                | <b>MG/L</b>  | <b>0.579</b>  |          | <b>1.43</b>   | <b>0.524</b>   |               |
| <b>SM49 CADMIUM, TCLP</b>               | <b>MG/L</b>  | <b>0.281</b>  |          | <b>0.0371</b> | <b>0.00500</b> | <b>U</b>      |
| <b>SM50 CHROMIUM, TCLP</b>              | <b>MG/L</b>  | <b>0.0467</b> |          | <b>2.76</b>   | <b>0.0372</b>  |               |
| <b>SM51 LEAD, TCLP</b>                  | <b>MG/L</b>  | <b>16.5</b>   |          | <b>3.08</b>   | <b>0.217</b>   |               |
| <b>SM52 SELENIUM, TCLP</b>              | <b>MG/L</b>  | <b>0.0500</b> | <b>U</b> | <b>0.0600</b> | <b>0.0500</b>  | <b>U</b>      |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS  
VALIDATED DATA

| COMPOUND           | UNITS | 110   | 111   | 112   | 113   | 114   |
|--------------------|-------|-------|-------|-------|-------|-------|
| ZZ01 SAMPLE NUMBER | NA    | 110   | 111   | 112   | 113   | 114   |
| ZZ02 ACTIVITY CODE | NA    | APXXS | APXXS | APXXS | APXXS | APXXS |



## ANALYSIS REQUEST DETAIL REPORT

## ACTIVITY: 7-APXX5

## VALIDATED DATA

| COMPOUND                      | UNITS | 115    | 116      | 117      | 118      | 119      |
|-------------------------------|-------|--------|----------|----------|----------|----------|
| SG07 SOLIDS, PERCENT          | X     | 72.9   | 73.7     | 98.6     | 65.4     | 83.9     |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG | 5.12   | U 5.12   | U 5.12   | U 5.12   | U 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG | 7.92   | U 7.92   | U 7.92   | U 0.792  | U 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG | 534.   | 129      | 242      | 306      | 225      |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG | 83.7   | 1.05     | U 188    | 44.9     | 33.1     |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | 106    | 41.8     | 2280     | 2520     | 1860     |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG | 1110   | 1370     | 8470     | 14000    | 10300    |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG | 20.1   | U 20.1   | U 20.1   | U 20.1   | U 20.1   |
| SM46 SILVER, TCLP             | MG/L  | 0.0100 | U 0.0100 | U 0.0100 | U 0.0100 | U 0.0100 |
| SM47 ARSENIC, TCLP            | MG/L  | 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 |
| SM48 BARIUM, TCLP             | MG/L  | 4.59   | 0.166    | 4.24     | 0.547    | 1.93     |
| SM49 CADMIUM, TCLP            | MG/L  | 0.0176 | 0.00500  | U 0.947  | 0.0283   | 0.00042  |
| SM50 CHROMIUM, TCLP           | MG/L  | 0.0100 | U 0.0190 | 0.357    | 0.199    | 0.0700   |
| SM51 LEAD, TCLP               | MG/L  | 0.164  | 0.310    | 3.45     | 0.158    | 2.64     |
| SM52 SELENIUM, TCLP           | MG/L  | 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 |
| ZZ01 SAMPLE NUMBER            | NA    | 115    | 116      | 117      | 118      | 119      |
| ZZ02 ACTIVITY CODE            | NA    | APXX5  | APXX5    | APXX5    | APXX5    | APXX5    |



## ANALYSIS REQUEST DETAIL REPORT

VALIDATED DATA

## ACTIVITY: 7-APXX5

| COMPOUND                      | UNITS | 120    | 121      | 122      | 123      | 124      |
|-------------------------------|-------|--------|----------|----------|----------|----------|
| SG07 SOLIDS, PERCENT          | %     | 29.2   | 75.8     | 73.4     | 82.4     | 71.2     |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG | 5.12   | U 0.512  | U 0.512  | U 0.512  | U 0.512  |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG | 7.92   | U 7.92   | U 7.92   | U 7.92   | U 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG | 2230   | 85.6     | 354      | 503      | 537      |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG | 17.8   | 2.38     | 2.41     | 5.62     | 2.97     |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | 2190   | 425      | 91.3     | 509      | 445      |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG | 16500  | 2060     | 606      | 4040     | 2590     |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG | 20.1   | U 20.1   | U 20.1   | U 20.1   | U 20.1   |
| SM46 SILVER, TCLP             | MG/L  | 0.0100 | U 0.0100 | U 0.0100 | U 0.0100 | U 0.0100 |
| SM47 ARSENIC, TCLP            | MG/L  | 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 |
| SM48 BARIUM, TCLP             | MG/L  | 0.275  | 0.351    | 1.49     | 0.792    | 2.05     |
| SM49 CADMIUM, TCLP            | MG/L  | 0.0161 | 0.00500  | 0.0050   | 0.00500  | 0.00500  |
| SM50 CHROMIUM, TCLP           | MG/L  | 0.0490 | 0.0283   | 1.19     | 0.0784   | 0.0220   |
| SM51 LEAD, TCLP               | MG/L  | 44.2   | 0.463    | 0.158    | 2.02     | 14.5     |
| SM52 SELENIUM, TCLP           | MG/L  | 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 | U 0.0500 |
| ZZ01 SAMPLE NUMBER            | NA    | 120    | 121      | 122      | 123      | 124      |
| ZZ02 ACTIVITY CODE            | NA    | APXX5  | APXX5    | APXX5    | APXX5    | APXX5    |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND  | UNITS | 125   | 126 | 127 | 128 | 129 |
|---|-------|-------|-----|-----|-----|-----|
| HF01 PH, HAZARD WASTE                             | SU    | 5.13  |     |     |     |     |
| HG22 FLASHPOINT (FLAMMABILITY)                    | IC    | 45.0  |     |     |     |     |
| HM01 SILVER, TOTAL, BY ICAP                       | MG/KG | 0.200 | U   |     |     |     |
| HM03 ARSENIC, TOTAL, BY ICAP                      | MG/KG | 0.977 |     |     |     |     |
| HM04 BARIUM, TOTAL, BY ICAP                       | MG/KG | 2.14  |     |     |     |     |
| HM06 CADMIUM, TOTAL, BY ICAP                      | MG/KG | 0.100 | U   |     |     |     |
| HM08 CHROMIUM, TOTAL, BY ICAP                     | MG/KG | 1.32  |     |     |     |     |
| HM14 LEAD, TOTAL, BY ICAP                         | MG/KG | 5.96  |     |     |     |     |
| HM16 SELENIUM, BY ICAP                            | MG/KG | 10.0  | U   |     |     |     |
| HM51 SILVER, TCLP                                 | MG/L  | 5.00  | K   |     |     |     |
| HM52 ARSENIC, TCLP                                | MG/L  | 5.00  | K   |     |     |     |
| HM53 BARIUM, TCLP                                 | MG/L  | 100   | K   |     |     |     |
| HM54 CADMIUM, TCLP                                | MG/L  | 1.00  | K   |     |     |     |
| HM55 CHROMIUM, TCLP                               | MG/L  | 5.00  | K   |     |     |     |
| HM56 LEAD, TCLP                                   | MG/L  | 5.00  | K   |     |     |     |
| HM57 SELENIUM, TCLP                               | MG/L  | 1.00  | K   |     |     |     |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)          | UG/L  | 16000 | U   |     |     |     |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)          | UG/L  | 16000 | U   |     |     |     |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)          | UG/L  | 20000 | U   |     |     |     |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)              | UG/L  | 68000 | U   |     |     |     |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)              | UG/L  | 16000 | U   |     |     |     |
| HU11 BROMODICHLOROMETHANE, BY GC/MS               | UG/L  | 16000 | U   |     |     |     |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)            | UG/L  | 12000 | U   |     |     |     |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)         | UG/L  | 16000 | U   |     |     |     |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME)     | UG/L  | 12000 | U   |     |     |     |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO:UG/L | UG/L  | 16000 | U   |     |     |     |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS  
VALIDATED DATA

| COMPOUND  | UNITS | 125 | 126      | 127 | 128 | 129 |
|---|-------|-----|----------|-----|-----|-----|
| HU16 CHLOROBENZENE, BY GC/MS                            | UG/L  |     | 16000    | U   |     |     |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)               | UG/L  |     | 16000    | U   |     |     |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)              | UG/L  |     | 28000    | U   |     |     |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)                 | UG/L  |     | 16000    | U   |     |     |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VOLUME)       | UG/L  |     | 12000    | U   |     |     |
| HU21 DICHLOROETHANE, 1,1-, BY GC/MS (MASS/VOLUME)       | UG/L  |     | 12000    | U   |     |     |
| HU22 DICHLOROETHANE, 1,2-, BY GC/MS (MASS/VOLUME)       | UG/L  |     | 16000    | U   |     |     |
| HU23 DICHLOROETHYLENE, 1,1-, BY GC/MS (MASS/VOLUME)     | UG/L  |     | 16000    | U   |     |     |
| HU24 DICHLOROETHYLENE, 1,2-, TOTAL (MASS/VOLUME)        | UG/L  |     | 12000    | U   |     |     |
| HU25 DICHLOROPROPANE, 1,2 BY GC/MS (MASS/VOLUME)        | UG/L  |     | 16000    | U   |     |     |
| HU26 DICHLOROPROPYLENE, CIS-1,3, BY GC/MS (MASS/VOLUME) | UG/L  |     | 20000    | U   |     |     |
| HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLUME)         | UG/L  |     | 12000    | U   |     |     |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)              | UG/L  |     | 700000   |     |     |     |
| HU29 HEXANONE, 2- (MASS/VOLUME)                         | UG/L  |     | 60000    | U   |     |     |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLUME)         | UG/L  |     | 46000    | U   |     |     |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)                  | UG/L  |     | 60000    | U   |     |     |
| HU32 STYRENE, BY GC/MS (MASS/VOLUME)                    | UG/L  |     | 240000   |     |     |     |
| HU33 TETRACHLOROETHANE, 1,1,2,2, BY GC/MS (MASS/VOLUME) | UG/L  |     | 16000    | U   |     |     |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOLUME)        | UG/L  |     | 16000    | U   |     |     |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)                    | UG/L  |     | 18000000 |     |     |     |
| HU36 TRICHLOROETHANE, 1,1,2-, BY GC/MS (MASS/VOLUME)    | UG/L  |     | 16000    | U   |     |     |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUME)          | UG/L  |     | 16000    | U   |     |     |
| HU38 TRICHLOROETHANE, 1,1,1-, BY GC/MS (MASS/VOLUME)    | UG/L  |     | 16000    | U   |     |     |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)             | UG/L  |     | 20000    | U   |     |     |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)                   | UG/L  |     | 3300000  |     |     |     |
| HU41 XYLENE, ORTHO (MASS/VOLUME)                        | UG/L  |     | 560000   |     |     |     |



## ANALYSIS REQUEST DETAIL REPORT

## ACTIVITY: 7-APXXS

## VALIDATED DATA

| COMPOUND                                | UNITS | 125          | 126   | 127         | 128         | 129           |
|---|-------|--------------|-------|-------------|-------------|---------------|
| HU43 4-METHYL-2-PENTANONE (MASS/VOLUME) | UG/L  |              | 12000 | U           |             |               |
| HV40 CHLOROFORM, TCLP                   | MG/L  |              | 0.02  | U           |             |               |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | MG/L  |              | 0.02  | U           |             |               |
| HV42 CARBON TETRACHLORIDE, TCLP         | MG/L  |              | 0.02  | U           |             |               |
| HV43 BENZENE, TCLP                      | MG/L  |              | 0.039 | U           |             |               |
| HV44 CHLOROBENZENE, TCLP                | MG/L  |              | 0.02  | U           |             |               |
| HV45 DICHLOROETHYLENE, 1, 1-, TCLP      | MG/L  |              | 0.02  | U           |             |               |
| HV46 METHYL ETHYL KETONE, TCLP          | MG/L  |              | 0.075 | U           |             |               |
| HV47 TETRACHLOROETHYLENE, TCLP          | MG/L  |              | 0.02  | U           |             |               |
| HV48 TRICHLOROETHYLENE, TCLP            | MG/L  |              | 0.02  | U           |             |               |
| HV49 VINYL CHLORIDE, TCLP               | MG/L  |              | 0.025 | U           |             |               |
| <b>3607 SOLIDS, PERCENT</b>             | %     | <b>78.7</b>  |       | <b>97.4</b> | <b>82.3</b> | <b>90.5</b>   |
| <b>SM01 SILVER, TOTAL, BY ICAP</b>      | MG/KG | <b>0.512</b> | U     | <b>5.12</b> | U           | <b>5.12</b>   |
| <b>SM03 ARSENIC, TOTAL, BY ICAP</b>     | MG/KG | <b>0.792</b> | U     | <b>7.92</b> | U           | <b>7.92</b>   |
| <b>SM04 BARIUM, TOTAL, BY ICAP</b>      | MG/KG | <b>110</b>   |       | <b>654</b>  | 1120        | <b>770</b>    |
| <b>SM06 CADMIUM, TOTAL, BY ICAP</b>     | MG/KG | <b>0.105</b> | U     | <b>4.70</b> | 6.51        | <b>7.58</b>   |
| <b>SM08 CHROMIUM, TOTAL, BY ICAP</b>    | MG/KG | <b>10.0</b>  |       | <b>3180</b> | 2070        | <b>2230</b>   |
| <b>SM14 LEAD, TOTAL, BY ICAP</b>        | MG/KG | <b>62.1</b>  |       | <b>5640</b> | 11600       | <b>21000</b>  |
| <b>SM16 SELENIUM, TOTAL, BY ICAP</b>    | MG/KG | <b>2.02</b>  |       | <b>20.1</b> | U           | <b>20.1</b>   |
| <b>SM46 SILVER, TCLP</b>                | MG/L  | <b>5.00</b>  | K     | 0.0100      | U           | 0.0100        |
| <b>SM47 ARSENIC, TCLP</b>               | MG/L  | <b>5.00</b>  | K     | 0.0500      | U           | 0.0500        |
| <b>SM48 BARIUM, TCLP</b>                | MG/L  | <b>100</b>   | K     | 1.60        | 0.629       | <b>1.58</b>   |
| <b>SM49 CADMIUM, TCLP</b>               | MG/L  | <b>1.00</b>  | K     | 0.0158      | 0.00500     | U             |
| <b>SM50 CHROMIUM, TCLP</b>              | MG/L  | <b>5.00</b>  | K     | 0.0369      | 0.696       | <b>0.0846</b> |
| <b>SM51 LEAD, TCLP</b>                  | MG/L  | <b>5.00</b>  | K     | 0.330       | 0.0877      | <b>1.45</b>   |
| <b>SM52 SELENIUM, TCLP</b>              | MG/L  | <b>1.00</b>  | K     | 0.0500      | U           | 0.0500        |



## ANALYSIS REQUEST DETAIL REPORT

VALIDATED DATA

ACTIVITY: 7-APXXS

|                    | COMPOUND | UNITS | 125   | 126   | 127   | 128   | 129   |
|--------------------|----------|-------|-------|-------|-------|-------|-------|
| ZZ01 SAMPLE NUMBER |          | NA    | 125   | 126   | 127   | 128   | 129   |
| ZZ02 ACTIVITY CODE |          | NA    | APXXS | APXXS | APXXS | APXXS | APXXS |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND   | UNITS | 130    | 131 | 132 | 133 | 134     |
|--|-------|--------|-----|-----|-----|---------|
| HF01 PH, HAZARD WASTE                              | SU    | 8.12   |     |     |     | 7.02    |
| HG22 FLASHPOINT (FLAMMABILITY)                     | °C    | 85.0   | L   |     |     | 85.0 L  |
| HM01 SILVER, TOTAL, BY ICAP                        | MG/KG | 2.00   | U   |     |     | 0.200 U |
| HM03 ARSENIC, TOTAL, BY ICAP                       | MG/KG | 100    | U   |     |     | 10.0 U  |
| HM04 BARIUM, TOTAL, BY ICAP                        | MG/KG | 1020   |     |     |     | 0.100 U |
| HM06 CADMIUM, TOTAL, BY ICAP                       | MG/KG | 3.15   |     |     |     | 0.100 U |
| HM08 CHROMIUM, TOTAL, BY ICAP                      | MG/KG | 1510   |     |     |     | 0.200 U |
| HM14 LEAD, TOTAL, BY ICAP                          | MG/KG | 7780   |     |     |     | 7.25    |
| HM16 SELENIUM, BY ICAP                             | MG/KG | 100    | U   |     |     | 10.0 U  |
| HM51 SILVER, TCLP                                  | MG/L  | 0.0100 | U   |     |     | 5.00 K  |
| HM52 ARSENIC, TCLP                                 | MG/L  | 0.0500 | U   |     |     | 5.00 K  |
| HM53 BARIUM, TCLP                                  | MG/L  | 1.03   |     |     |     | 100 K   |
| HM54 CADMIUM, TCLP                                 | MG/L  | 0.0121 |     |     |     | 1.00 K  |
| HM55 CHROMIUM, TCLP                                | MG/L  | 0.123  |     |     |     | 5.00 K  |
| HM56 LEAD, TCLP                                    | MG/L  | 7.21   |     |     |     | 5.00 K  |
| HM57 SELENIUM, TCLP                                | MG/L  | 0.0500 | U   |     |     | 1.00 K  |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)           | UG/L  | 4000   | U   |     |     | 4000 U  |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)           | UG/L  | 4000   | U   |     |     | 4000 U  |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)           | UG/L  | 5000   | U   |     |     | 5000 U  |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)               | UG/L  | 10000  | U   |     |     | 900000  |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)               | UG/L  | 4000   | U   |     |     | 4000 U  |
| HU11 BROMODICHLOROMETHANE, BY GC/MS                | UG/L  | 4000   | U   |     |     | 4000 U  |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)             | UG/L  | 3000   | U   |     |     | 3000 U  |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)          | UG/L  | 4000   | U   |     |     | 4000 U  |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME)      | UG/L  | 3000   | U   |     |     | 30000 U |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO) UG/L | UG/L  | 4000   | U   |     |     | 4000 U  |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

| COMPOUND   | UNITS | 130     | 131 | 132 | 133 | 134     |
|--|-------|---------|-----|-----|-----|---------|
| HU16 CHLOROBENZENE, BY GC/MS                     | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)        | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)       | UG/L  | 7000    | U   |     |     | 7000 U  |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)          | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO)    | UG/L  | 3000    | U   |     |     | 3000 U  |
| HU21 DICHLOROETHANE, 1,1-, BY GC/MS (MASS/VOLU)  | UG/L  | 3000    | U   |     |     | 3000 U  |
| HU22 DICHLOROETHANE, 1,2-, BY GC/MS (MASS/VOLU)  | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU23 DICHLOROETHYLENE, 1,1-, BY GC/MS (MASS/VO)  | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU24 DICHLOROETHYLENE, 1,2-, TOTAL (MASS/VOLU)   | UG/L  | 3000    | U   |     |     | 3000 U  |
| HU25 DICHLOROPROPANE, 1,2 BY GC/MS (MASS/VOLU)   | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU26 DICHLOROPROPYLENE, CIS-1,3, BY GC/MS(MASS)  | UG/L  | 5000    | U   |     |     | 5000 U  |
| HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU)    | UG/L  | 3000    | U   |     |     | 3000 U  |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)       | UG/L  | 530000  |     |     |     | 1200000 |
| HU29 HEXANONE, 2- (MASS/VOLUME)                  | UG/L  | 14000   | U   |     |     | 14000 U |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU)    | UG/L  | 6400    | U   |     |     | 9800 U  |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)           | UG/L  | 430000  |     |     |     | 51000   |
| HU32 STYRENE, BY GC/MS (MASS/VOLUME)             | UG/L  | 900000  |     |     |     | 130000  |
| HU33 TETRACHLOROETHANE, 1,1,2,2-, BY GC/MS(MASS) | UG/L  | 3000    | U   |     |     | 3000 U  |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL)    | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)             | UG/L  | 1600000 |     |     |     | 41000 U |
| HU36 TRICHLOROETHANE, 1,1,2-, BY GC/MS (MASS/    | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLU)     | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU38 TRICHLOROETHANE, 1,1,1-, BY GC/MS (MASS/    | UG/L  | 4000    | U   |     |     | 4000 U  |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)      | UG/L  | 5000    | U   |     |     | 5000 U  |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)            | UG/L  | 1800000 |     |     |     | 530000  |
| HU41 XYLENE, ORTHO (MASS/VOLUME)                 | UG/L  | 560000  |     |     |     | 130000  |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5  
VALIDATED DATA

| COMPOUND                                | UNITS | 130     | 131    | 132    | 133   | 134    |
|---|-------|---------|--------|--------|-------|--------|
| HU43 4-METHYL-2-PENTANONE (MASS/VOLUME) | UG/L  | 3000    | U      |        |       |        |
| HV40 CHLOROFORM, TCLP                   | MG/L  | 0.4     | U      |        |       |        |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | MG/L  | 0.4     | U      |        |       |        |
| HV42 CARBON TETRACHLORIDE, TCLP         | MG/L  | 0.4     | U      |        |       |        |
| HV43 BENZENE, TCLP                      | MG/L  | 0.4     | U      |        |       |        |
| HV44 CHLOROBENZENE, TCLP                | MG/L  | 0.4     | U      |        |       |        |
| HV45 DICHLOROETHYLENE, 1, 1-, TCLP      | MG/L  | 0.4     | U      |        |       |        |
| HV46 METHYL ETHYL KETONE, TCLP          | MG/L  | 28      |        |        |       |        |
| HV47 TETRACHLOROETHYLENE, TCLP          | MG/L  | 0.4     | U      |        |       |        |
| HV48 TRICHLOROETHYLENE, TCLP            | MG/L  | 0.4     | U      |        |       |        |
| HV49 VINYL CHLORIDE, TCLP               | MG/L  | 0.2     | U      |        |       |        |
| SM07 SOLIDS, PERCENT                    | %     |         | 78.9   | 82.0   | 88.9  |        |
| SM01 SILVER, TOTAL, BY ICAP             | MG/KG | 0.512   | U      | 5.12   | U     | 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP            | MG/KG | 7.92    | U      | 7.92   | U     | 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP             | MG/KG | 798     | 7170   | 801    |       |        |
| SM06 CADMIUM, TOTAL, BY ICAP            | MG/KG | 5.92    | 146    | 15.9   |       |        |
| SM08 CHROMIUM, TOTAL, BY ICAP           | MG/KG | 130     | 56.6   | 1120   |       |        |
| SM14 LEAD, TOTAL, BY ICAP               | MG/L  | 1690    | 53.9   | 4980   |       |        |
| SM16 SELENIUM, TOTAL, BY ICAP           | MG/KG | 20.1    | U      | 20.1   | U     | 20.1   |
| SM46 SILVER, TCLP                       | MG/L  | 0.0100  | U      | 0.0100 | U     | 0.010  |
| SM47 ARSENIC, TCLP                      | MG/L  | 0.0500  | U      | 0.0500 | U     | 0.0500 |
| SM48 BARIUM, TCLP                       | MG/L  | 0.330   | 13.8   | 0.197  | U     |        |
| SM49 CADMIUM, TCLP                      | MG/L  | 0.00500 | U      | 0.0050 | U     | 0.0105 |
| SM50 CHROMIUM, TCLP                     | MG/L  | 0.0183  | 0.0247 | 0.0192 |       |        |
| SM51 LEAD, TCLP                         | MG/L  | 0.0662  | 0.0500 | U      | 0.106 |        |
| SM52 SELENIUM, TCLP                     | MG/L  | 0.0500  | U      | 0.0500 | U     | 0.0500 |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND           | UNITS | 130    | 131    | 132    | 133    | 134    |
|--------------------|-------|--------|--------|--------|--------|--------|
| ZZ01 SAMPLE NUMBER | :NA   | :130   | :131   | :132   | :133   | :134   |
| ZZ02 ACTIVITY CODE | :NA   | :APXXS | :APXXS | :APXXS | :APXXS | :APXXS |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS  
VALIDATED DATA

| COMPOUND                      | UNITS | 135     | 136   | 137     | 138   | 139     |
|-------------------------------|-------|---------|-------|---------|-------|---------|
| SM07 SOLIDS, PERCENT          | %     | 61.6    | 73.2  | 79.3    | 66.8  | 73.6    |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG | 5.12    | U     | 5.12    | U     | 5.12    |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG | 7.92    | U     | 7.92    | U     | 7.92    |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG | 508     | 647   | 708     | 199   | 553     |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG | 1.30    | 7.10  | 3.87    | 1.05  | U       |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | 304     | 576   | 2130    | 22.5  | 2770    |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG | 2740    | 2900  | 8240    | 1760  | 18600   |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG | 20.1    | U     | 20.1    | U     | 20.1    |
| SM46 SILVER, TCLP             | MG/L  | 0.0100  | U     | 0.0100  | U     | 0.0100  |
| SM47 ARSENIC, TCLP            | MG/L  | 0.0500  | U     | 0.0500  | U     | 0.0500  |
| SM48 BARIUM, TCLP             | MG/L  | 0.140   | U     | 0.263   | U     | 0.212   |
| SM49 CADMIUM, TCLP            | MG/L  | 0.00500 | U     | 0.00500 | U     | 0.0297  |
| SM50 CHROMIUM, TCLP           | MG/L  | 0.0321  | U     | 0.0642  | U     | 0.00500 |
| SM51 LEAD, TCLP               | MG/L  | 0.102   | U     | 0.194   | U     | 0.541   |
| SM52 SELENIUM, TCLP           | MG/L  | 0.0500  | U     | 0.0500  | U     | 0.0549  |
| 2201 SAMPLE NUMBER            | NA    | 135     | 136   | 137     | 138   | 139     |
| 2202 ACTIVITY CODE            | NA    | APXXS   | APXXS | APXXS   | APXXS | APXXS   |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5  
VALIDATED DATA

| COMPOUND                                      | UNITS | 140 | 141    | 142 | 143 | 144 |
|---|-------|-----|--------|-----|-----|-----|
| HF01 PH, HAZARD WASTE                         | SU    |     | 7.58   |     |     |     |
| HG22 FLASHPOINT (FLAMMABILITY)                | °C    |     | 85.0   | L   |     |     |
| HM01 SILVER, TOTAL, BY ICAP                   | MG/KG |     | 2.00   | U   |     |     |
| HM03 ARSENIC, TOTAL, BY ICAP                  | MG/KG |     | 100    | U   |     |     |
| HM04 BARIUM, TOTAL, BY ICAP                   | MG/KG |     | 728    |     |     |     |
| HM06 CADMIUM, TOTAL, BY ICAP                  | MG/KG |     | 10.1   |     |     |     |
| HM08 CHROMIUM, TOTAL, BY ICAP                 | MG/KG |     | 227    |     |     |     |
| HM14 LEAD, TOTAL, BY ICAP                     | MG/KG |     | 1710   |     |     |     |
| HM16 SELENIUM, BY ICAP                        | MG/KG |     | 100    | U   |     |     |
| HM51 SILVER, TCLP                             | MG/L  |     | 0.0100 | U   |     |     |
| HM52 ARSENIC, TCLP                            | MG/L  |     | 0.0500 | U   |     |     |
| HM53 BARIUM, TCLP                             | MG/L  |     | 1.15   |     |     |     |
| HM54 CADMIUM, TCLP                            | MG/L  |     | 0.0107 |     |     |     |
| HM55 CHROMIUM, TCLP                           | MG/L  |     | 0.0453 |     |     |     |
| HM56 LEAD, TCLP                               | MG/L  |     | 0.486  |     |     |     |
| HM57 SELENIUM, TCLP                           | MG/L  |     | 0.0500 | U   |     |     |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)      | UG/L  |     | 16000  | U   |     |     |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)      | UG/L  |     | 16000  | U   |     |     |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)      | UG/L  |     | 20000  | U   |     |     |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)          | UG/L  |     | 25000  | U   |     |     |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)          | UG/L  |     | 16000  | U   |     |     |
| HU11 BROMODICHLOROMETHANE, BY GC/MS           | UG/L  |     | 16000  | U   |     |     |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)        | UG/L  |     | 12000  | U   |     |     |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)     | UG/L  |     | 16000  | U   |     |     |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME) | UG/L  |     | 12000  | U   |     |     |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO  | UG/L  |     | 16000  | U   |     |     |



## ANALYSIS REQUEST DETAIL REPORT

## ACTIVITY: 7-APXXS

## VALIDATED DATA

| COMPOUND  | UNITS | 140 | 141     | 142 | 143 | 144 |
|---|-------|-----|---------|-----|-----|-----|
| HU16 CHLOROBENZENE, BY GC/MS                          | UG/L  |     | 16000   | U   |     |     |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)             | UG/L  |     | 16000   | U   |     |     |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)            | UG/L  |     | 28000   | U   |     |     |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)               | UG/L  |     | 16000   | U   |     |     |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO:UG/L)    | UG/L  |     | 12000   | U   |     |     |
| HU21 DICHLOROETHANE, 1,1, BY GC/MS (MASS/VOLU:UG/L)   | UG/L  |     | 12000   | U   |     |     |
| HU22 DICHLOROETHANE, 1,2, BY GC/MS (MASS/VOLU:UG/L)   | UG/L  |     | 16000   | U   |     |     |
| HU23 DICHLOROETHYLENE, 1,1, BY GC/MS (MASS/VO:UG/L)   | UG/L  |     | 16000   | U   |     |     |
| HU24 DICHLOROETHYLENE, 1,2, TOTAL (MASS/VOLU:UG/L)    | UG/L  |     | 12000   | U   |     |     |
| HU25 DICHLOROPROPANE, 1,2 BY GC/MS (MASS/VOLU:UG/L)   | UG/L  |     | 16000   | U   |     |     |
| HU26 DICHLOROPROPYLENE, CIS-1,3, BY GC/MS (MASS:UG/L) | UG/L  |     | 20000   | U   |     |     |
| HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU:UG/L)    | UG/L  |     | 12000   | U   |     |     |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)            | UG/L  |     | 300000  |     |     |     |
| HU29 HEXANONE, 2- (MASS/VOLUME)                       | UG/L  |     | 56000   | U   |     |     |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU:UG/L)    | UG/L  |     | 32000   | U   |     |     |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)                | UG/L  |     | 60000   | U   |     |     |
| HU32 STYRENE, BY GC/MS (MASS /VOLUME)                 | UG/L  |     | 260000  |     |     |     |
| HU33 TETRACHLOROETHANE, 1,1,2,2, BY GC/MS (MASS:UG/L) | UG/L  |     | 16000   | U   |     |     |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL:UG/L)    | UG/L  |     | 22000   |     |     |     |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)                  | UG/L  |     | 160000  |     |     |     |
| HU36 TRICHLOROETHANE, 1,1,2-, BY GC/MS (MASS /:UG/L)  | UG/L  |     | 16000   | U   |     |     |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLU:UG/L)     | UG/L  |     | 16000   | U   |     |     |
| HU38 TRICHLOROETHANE, 1,1,1-, BY GC/MS (MASS /:UG/L)  | UG/L  |     | 16000   | U   |     |     |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)           | UG/L  |     | 20000   | U   |     |     |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)                 | UG/L  |     | 1000000 |     |     |     |
| HU41 XYLENE, ORTHO (MASS/VOLUME)                      | UG/L  |     | 320000  |     |     |     |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND                                | UNITS        | 140           | 141      | 142            | 143            | 144           |
|---|--------------|---------------|----------|----------------|----------------|---------------|
| HU43 4-METHYL-2-PENTANONE (MASS/VOLUME) | UG/L         | 12000         | U        |                |                |               |
| HV40 CHLOROFORM, TCLP                   | MG/L         | 0.4           | U        |                |                |               |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | MG/L         | 0.4           | U        |                |                |               |
| HV42 CARBON TETRACHLORIDE, TCLP         | MG/L         | 0.4           | U        |                |                |               |
| HV43 BENZENE, TCLP                      | MG/L         | 0.4           | U        |                |                |               |
| HV44 CHLOROBENZENE, TCLP                | MG/L         | 0.4           | U        |                |                |               |
| HV45 DICHLOROETHYLENE, 1, 1-, TCLP      | MG/L         | 0.4           | U        |                |                |               |
| HV46 METHYL ETHYL KETONE, TCLP          | MG/L         | 18            |          |                |                |               |
| HV47 TETRACHLOROETHYLENE, TCLP          | MG/L         | 0.4           | U        |                |                |               |
| HV48 TRICHLOROETHYLENE, TCLP            | MG/L         | 0.4           | U        |                |                |               |
| HV49 VINYL CHLORIDE, TCLP               | MG/L         | 0.2           | U        |                |                |               |
| <b>SM07 SOLIDS, PERCENT</b>             | <b>%</b>     | <b>67.4</b>   |          |                |                |               |
| <b>SM01 SILVER, TOTAL, BY ICAP</b>      | <b>MG/KG</b> | <b>5.12</b>   | <b>U</b> | <b>5.12</b>    | <b>U</b>       | <b>5.12</b>   |
| <b>SM03 ARSENIC, TOTAL, BY ICAP</b>     | <b>MG/KG</b> | <b>7.92</b>   | <b>U</b> | <b>7.92</b>    | <b>U</b>       | <b>7.92</b>   |
| <b>SM04 BARIUM, TOTAL, BY ICAP</b>      | <b>MG/KG</b> | <b>99.8</b>   |          |                |                |               |
| <b>SM06 CADMIUM, TOTAL, BY ICAP</b>     | <b>MG/KG</b> | <b>29.9</b>   |          | <b>1.92</b>    | <b>5.16</b>    | <b>20.4</b>   |
| <b>SM08 CHROMIUM, TOTAL, BY ICAP</b>    | <b>MG/KG</b> | <b>68.1</b>   |          | <b>228</b>     | <b>458</b>     | <b>312</b>    |
| <b>SM14 LEAD, TOTAL, BY ICAP</b>        | <b>MG/KG</b> | <b>55.50</b>  |          | <b>2140</b>    | <b>3590</b>    | <b>1680</b>   |
| <b>SM16 SELENIUM, TOTAL, BY ICAP</b>    | <b>MG/KG</b> | <b>20.1</b>   | <b>U</b> | <b>20.1</b>    | <b>U</b>       | <b>20.1</b>   |
| <b>SM46 SILVER, TCLP</b>                | <b>MG/L</b>  | <b>0.0100</b> | <b>U</b> | <b>0.0100</b>  | <b>U</b>       | <b>0.0100</b> |
| <b>SM47 ARSENIC, TCLP</b>               | <b>MG/L</b>  | <b>0.0500</b> | <b>U</b> | <b>0.0500</b>  | <b>U</b>       | <b>0.0500</b> |
| <b>SM48 BARIUM, TCLP</b>                | <b>MG/L</b>  | <b>3.17</b>   |          | <b>1.21</b>    | <b>0.850</b>   | <b>0.640</b>  |
| <b>SM49 CADMIUM, TCLP</b>               | <b>MG/L</b>  | <b>0.431</b>  |          | <b>0.00603</b> | <b>0.00500</b> | <b>0</b>      |
| <b>SM50 CHROMIUM, TCLP</b>              | <b>MG/L</b>  | <b>0.287</b>  |          | <b>0.172</b>   | <b>0.138</b>   | <b>0.0144</b> |
| <b>SM51 LEAD, TCLP</b>                  | <b>MG/L</b>  | <b>19.4</b>   |          | <b>11.9</b>    | <b>0.0752</b>  | <b>0.181</b>  |
| <b>SM52 SELENIUM, TCLP</b>              | <b>MG/L</b>  | <b>0.0680</b> |          | <b>0.0500</b>  | <b>U</b>       | <b>0.0500</b> |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND           | UNITS | 140   | 141   | 142   | 143   | 144   |
|--------------------|-------|-------|-------|-------|-------|-------|
| ZZ01 SAMPLE NUMBER | NA    | 140   | 141   | 142   | 143   | 144   |
| ZZ02 ACTIVITY CODE | NA    | APXXS | APXXS | APXXS | APXXS | APXXS |



## ANALYSIS REQUEST DETAIL REPORT

## ACTIVITY: 7-APXXS

## VALIDATED DATA

|                               | COMPOUND | UNITS    | 145      | 146      | 147      | 148      | 149      |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|
| SG07 SOLIDS, PERCENT          | X        | :86.7    | 73.3     | 92.7     | 72.3     |          | :81.2    |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG    | :5.12    | U 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG    | :7.92    | U 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG    | :380     | 216      | 2590     | 554      |          | 611      |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG    | :4.07    | 6.33     | 4.9.7    | 14.3     |          | :17.9    |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG    | :123     | 5910     | 1320     | 565      |          | 275      |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG    | :561     | 32700    | 7720     | 7770     |          | 2000     |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG    | :20.1    | U 20.1   |
| SM46 SILVER, TCLP             | MG/L     | :0.0100  | U 0.0100 |
| SM47 ARSENIC, TCLP            | MG/L     | :0.0500  | U 0.0500 |
| SM48 BARIUM, TCLP             | MG/L     | :0.516   | 1.17     | 3.81     | 1.24     |          | :2.17    |
| SM49 CADMIUM, TCLP            | MG/L     | :0.00500 | U 0.121  | 0.541    | :0.00500 | U        | :0.00618 |
| SM50 CHROMIUM, TCLP           | MG/L     | :0.0214  | 0.541    | 0.0341   | 0.0476   |          | :0.290   |
| SM51 LEAD, TCLP               | MG/L     | :0.0675  | 126      | 0.0500   | U 10.0   |          | :13.1    |
| SM52 SELENIUM, TCLP           | MG/L     | :0.0500  | U 0.0829 | 0.0500   | U 0.0500 | U        | :0.0647  |
| ZZ01 SAMPLE NUMBER            | NA       | :145     | 146      | 147      | 148      |          | 149      |
| ZZ02 ACTIVITY CODE            | NA       | APXXS    | APXXS    | APXXS    | APXXS    |          | APXXS    |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

| COMPOUND                      | UNITS | 150     | 151       | 152       | 153      | 154       |
|-------------------------------|-------|---------|-----------|-----------|----------|-----------|
| SG07 SOLIDS, PERCENT          | X     | 84.9    | 78.3      | 73.6      | 62.4     | 50.0      |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG | 5.12    | U 5.12    | U 5.12    | U 5.12   | U 5.12    |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG | 7.92    | U 7.92    | U 7.92    | U 7.92   | U 7.92    |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG | 25.6    | 19.5      | 20.3      | 531      | 786       |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG | 1.33    | 1.11      | 4.28      | 2.48     | 2.67      |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | 25.7    | 22.7      | 257       | 213      | 107       |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG | 141     | 200       | 1550      | 1360     | 1260      |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG | 20.1    | U 20.1    | U 20.1    | U 20.1   | U 20.1    |
| SM46 SILVER, TCLP             | MG/L  | 0.0100  | U 0.0100  | U 0.0100  | U 0.0100 | U 0.0100  |
| SM47 ARSENIC, TCLP            | MG/L  | 0.0500  | U 0.0500  | U 0.0500  | U 0.0500 | U 0.0500  |
| SM48 BARIUM, TCLP             | MG/L  | 0.133   | U 0.195   | U 2.61    | 0.267    | U 0.389   |
| SM49 CADMIUM, TCLP            | MG/L  | 0.00500 | U 0.00500 | U 0.00948 | 0.00500  | U 0.00500 |
| SM50 CHROMIUM, TCLP           | MG/L  | 0.0100  | U 0.0100  | U 0.492   | 0.128    | 0.0100    |
| SM51 LEAD, TCLP               | MG/L  | 0.0620  | 0.168     | 4.04      | 0.335    | 0.0473    |
| SM52 SELENIUM, TCLP           | MG/L  | 0.0500  | U 0.0500  | U 0.0529  | 0.0500   | U 0.0500  |
| ZZ01 SAMPLE NUMBER            | NA    | 150     | 151       | 152       | 153      | 154       |
| ZZ02 ACTIVITY CODE            | APXX5 | APXX5   | APXX5     | APXX5     | APXX5    | APXX5     |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

| COMPOUND                      | UNITS | 155    | 156    | 157     | 158    | 159    |
|-------------------------------|-------|--------|--------|---------|--------|--------|
| SM07 SOLIDS, PERCENT          | X     | 73.9   | 78.5   | 78.6    | 75.3   | 82.5   |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG | 5.12   | U      | 5.12    | U      | 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG | 7.92   | U      | 7.92    | U      | 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG | 397    | 1130   | 619     | 1150   | 477    |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG | 5.28   | 10.3   | 1.41    | 34.8   | 1.83   |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | 2210   | 5930   | 1650    | 1740   | 4110   |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG | 10500  | 25900  | 9270    | 9390   | 27800  |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG | 20.1   | U      | 20.1    | U      | 20.1   |
| SM46 SILVER, TCLP             | MG/L  | 0.0100 | U      | 0.0100  | U      | 0.0100 |
| SM47 ARSENIC, TCLP            | MG/L  | 0.0500 | U      | 0.0500  | U      | 0.0500 |
| SM48 BARIUM, TCLP             | MG/L  | 0.623  | 1.60   | 2.78    | 1.04   | 0.644  |
| SM49 CADMIUM, TCLP            | MG/L  | 0.0331 | 0.0107 | 0.00500 | U      | 0.0050 |
| SM50 CHROMIUM, TCLP           | MG/L  | 1.19   | 0.0841 | 0.723   | 0.275  | 0.0242 |
| SM51 LEAD, TCLP               | MG/L  | 33.3   | 2.95   | 39.9    | 0.741  | 6.69   |
| SM52 SELENIUM, TCLP           | MG/L  | 0.0649 | 0.0500 | 0.0554  | 0.0500 | 0.0500 |
| ZZ01 SAMPLE NUMBER            | NA    | 155    | 156    | 157     | 158    | 159    |
| ZZ02 ACTIVITY CODE            | NA    | APXX5  | APXX5  | APXX5   | APXX5  | APXX5  |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND   | UNITS | 160 | 161 | 162 | 163 | 164 |
|--|-------|-----|-----|-----|-----|-----|
| HF01 PH, HAZARD WASTE                            | SU    |     |     |     |     |     |
| HG22 FLASHPOINT (FLAMMABILITY)                   | °C    |     |     |     |     |     |
| HM01 SILVER, TOTAL, BY ICAP                      | MG/KG |     |     |     |     |     |
| HM03 ARSENIC, TOTAL, BY ICAP                     | MG/KG |     |     |     |     |     |
| HM04 BARIUM, TOTAL, BY ICAP                      | MG/KG |     |     |     |     |     |
| HM06 CADMIUM, TOTAL, BY ICAP                     | MG/KG |     |     |     |     |     |
| HM08 CHROMIUM, TOTAL, BY ICAP                    | MG/KG |     |     |     |     |     |
| HM14 LEAD, TOTAL, BY ICAP                        | MG/KG |     |     |     |     |     |
| HM16 SELENIUM, BY ICAP                           | MG/KG |     |     |     |     |     |
| HM51 SILVER, TCLP                                | MG/L  |     |     |     |     |     |
| HM52 ARSENIC, TCLP                               | MG/L  |     |     |     |     |     |
| HM53 BARIUM, TCLP                                | MG/L  |     |     |     |     |     |
| HM54 CADMIUM, TCLP                               | MG/L  |     |     |     |     |     |
| HM55 CHROMIUM, TCLP                              | MG/L  |     |     |     |     |     |
| HM56 LEAD, TCLP                                  | MG/L  |     |     |     |     |     |
| HM57 SELENIUM, TCLP                              | MG/L  |     |     |     |     |     |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)         | UG/L  |     |     |     |     |     |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)         | UG/L  |     |     |     |     |     |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)         | UG/L  |     |     |     |     |     |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)             | UG/L  |     |     |     |     |     |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)             | UG/L  |     |     |     |     |     |
| HU11 BROMODICHLOROMETHANE, BY GC/MS              | UG/L  |     |     |     |     |     |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)           | UG/L  |     |     |     |     |     |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)        | UG/L  |     |     |     |     |     |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME)    | UG/L  |     |     |     |     |     |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VOUG/L | UG/L  |     |     |     |     |     |



## ANALYSIS REQUEST DETAIL REPORT

VALIDATED DATA

ACTIVITY: 7-APXXS

| COMPOUND  | UNITS | 160 | 161    | 162 | 163 | 164 |
|---|-------|-----|--------|-----|-----|-----|
| HU16 CHLOROBENZENE, BY GC/MS                          | :UG/L |     | 11000  | U   |     |     |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)             | :UG/L |     | 11000  | U   |     |     |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)            | :UG/L |     | 20000  | U   |     |     |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)               | :UG/L |     | 11000  | U   |     |     |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VOL:UG/L)   |       |     | 8600   | U   |     |     |
| HU21 DICHLOROETHANE, 1,1-, BY GC/MS (MASS/VOLU:UG/L)  |       |     | 8600   | U   |     |     |
| HU22 DICHLOROETHANE, 1,2-, BY GC/MS (MASS/VOLU:UG/L)  |       |     | 11000  | U   |     |     |
| HU23 DICHLOROETHYLENE, 1,1-, BY GC/MS (MASS/VOL:UG/L) |       |     | 11000  | U   |     |     |
| HU24 DICHLOROETHYLENE, 1,2, TOTAL (MASS/VOLUM:UG/L)   |       |     | 8600   | U   |     |     |
| HU25 DICHLOROPROPANE, 1,2 BY GC/MS (MASS/VOLU:UG/L)   |       |     | 11000  | U   |     |     |
| HU26 DICHLOROPROPYLENE, CIS-1,3, BY GC/MS(MASS:UG/L)  |       |     | 14000  | U   |     |     |
| HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU:UG/L)    |       |     | 8600   | U   |     |     |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)            | :UG/L |     | 52000  |     |     |     |
| HU29 HEXANONE, 2-(MASS/VOLUME)                        | :UG/L |     | 42000  | U   |     |     |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU:UG/L)    |       |     | 25000  | U   |     |     |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)                | :UG/L |     | 40000  | U   |     |     |
| HU32 STYRENE, BY GC/MS (MASS/VOLUME)                  | :UG/L |     | 890000 |     |     |     |
| HU33 TETRACHLOROETHANE, 1,1,2,2, BY GC/MS(MASS:UG/L)  |       |     | 11000  | U   |     |     |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL:UG/L)    |       |     | 11000  | U   |     |     |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)                  | :UG/L |     | 67000  |     |     |     |
| HU36 TRICHLOROETHANE, 1,1,2-, BY GC/MS (MASS/:UG/L)   |       |     | 11000  | U   |     |     |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM:UG/L)    |       |     | 40000  |     |     |     |
| HU38 TRICHLOROETHANE, 1,1,1-, BY GC/MS (MASS/:UG/L)   |       |     | 20000  |     |     |     |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME) :UG/L     |       |     | 14000  | U   |     |     |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)                 | :UG/L |     | 160000 |     |     |     |
| HU41 XYLENE, ORTHO (MASS/VOLUME)                      | :UG/L |     | 50000  |     |     |     |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

## VALIDATED DATA

| COMPOUND                                | UNITS         | 160           | 161      | 162           | 163           | 164           |
|---|---------------|---------------|----------|---------------|---------------|---------------|
| HV43 4-METHYL-2-PENTANONE (MASS/VOLUME) | :UG/L         | 8600          | U        |               |               |               |
| HV40 CHLOROFORM, TCLP                   | :MG/L         | 0.8           | U        |               |               |               |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | :MG/L         | 0.8           | U        |               |               |               |
| HV42 CARBON TETRACHLORIDE, TCLP         | :MG/L         | 0.8           | U        |               |               |               |
| HV43 BENZENE, TCLP                      | :MG/L         | 0.8           | U        |               |               |               |
| HV44 CHLOROBENZENE, TCLP                | :MG/L         | 0.8           | U        |               |               |               |
| HV45 DICHLOROETHYLENE, 1, 1-, TCLP      | :MG/L         | 0.8           | U        |               |               |               |
| HV46 METHYL ETHYL KETONE, TCLP          | :MG/L         | 3             | U        |               |               |               |
| HV47 TETRACHLOROETHYLENE, TCLP          | :MG/L         | 0.8           | U        |               |               |               |
| HV48 TRICHLOROETHYLENE, TCLP            | :MG/L         | 2.5           |          |               |               |               |
| HV49 VINYL CHLORIDE, TCLP               | :MG/L         | 1             | U        |               |               |               |
| <b>SM07 SOLIDS, PERCENT</b>             | <b>%</b>      | <b>79.5</b>   |          | <b>71.0</b>   | <b>59.0</b>   | <b>30.8</b>   |
| <b>SM01 SILVER, TOTAL, BY ICAP</b>      | <b>:MG/KG</b> | <b>5.12</b>   | <b>U</b> | <b>5.12</b>   | <b>U</b>      | <b>5.12</b>   |
| <b>SM03 ARSENIC, TOTAL, BY ICAP</b>     | <b>:MG/KG</b> | <b>.792</b>   | <b>U</b> | <b>7.92</b>   | <b>U</b>      | <b>7.92</b>   |
| <b>SM04 BARIUM, TOTAL, BY ICAP</b>      | <b>:MG/KG</b> | <b>611</b>    |          | <b>1100</b>   | <b>5880</b>   | <b>237</b>    |
| <b>SM06 CADMIUM, TOTAL, BY ICAP</b>     | <b>:MG/KG</b> | <b>1.05</b>   | <b>U</b> | <b>4.42</b>   | <b>80.9</b>   | <b>4.16</b>   |
| <b>SM08 CHROMIUM, TOTAL, BY ICAP</b>    | <b>:MG/KG</b> | <b>2030</b>   |          | <b>191</b>    | <b>54.0</b>   | <b>252</b>    |
| <b>SM14 LEAD, TOTAL, BY ICAP</b>        | <b>:MG/KG</b> | <b>9060</b>   |          | <b>883</b>    | <b>504</b>    | <b>11210</b>  |
| <b>SM16 SELENIUM, TOTAL, BY ICAP</b>    | <b>:MG/KG</b> | <b>20.1</b>   | <b>U</b> | <b>20.1</b>   | <b>U</b>      | <b>20.1</b>   |
| <b>SM46 SILVER, TCLP</b>                | <b>:MG/L</b>  | <b>0.0100</b> | <b>U</b> | <b>0.0100</b> | <b>U</b>      | <b>0.0100</b> |
| <b>SM47 ARSENIC, TCLP</b>               | <b>:MG/L</b>  | <b>0.0500</b> | <b>U</b> | <b>0.0500</b> | <b>U</b>      | <b>0.0500</b> |
| <b>SM48 BARIUM, TCLP</b>                | <b>:MG/L</b>  | <b>0.775</b>  |          | <b>1.51</b>   | <b>92.9</b>   | <b>0.974</b>  |
| <b>SM49 CADMIUM, TCLP</b>               | <b>:MG/L</b>  | <b>0.0050</b> | <b>U</b> | <b>0.0174</b> | <b>0.0252</b> | <b>0.0150</b> |
| <b>SM50 CHROMIUM, TCLP</b>              | <b>:MG/L</b>  | <b>1.59</b>   |          | <b>0.0354</b> | <b>0.0229</b> | <b>0.0165</b> |
| <b>SM51 LEAD, TCLP</b>                  | <b>:MG/L</b>  | <b>1.03</b>   |          | <b>0.102</b>  | <b>0.286</b>  | <b>0.643</b>  |
| <b>SM52 SELENIUM, TCLP</b>              | <b>:MG/L</b>  | <b>0.0500</b> | <b>U</b> | <b>0.0607</b> | <b>0.0500</b> | <b>U</b>      |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND           | UNITS | 160   | 161   | 162   | 163   | 164   |
|--------------------|-------|-------|-------|-------|-------|-------|
| ZZ01 SAMPLE NUMBER | NA    | 160   | 161   | 162   | 163   | 164   |
| ZZ02 ACTIVITY CODE | NA    | APXXS | APXXS | APXXS | APXXS | APXXS |



## ANALYSIS REQUEST DETAIL REPORT

## ACTIVITY: 7-APXXS

## VALIDATED DATA

| COMPOUND                      | UNITS | 165    | 166     | 167    | 168    | 169    |
|-------------------------------|-------|--------|---------|--------|--------|--------|
| SG07 SOLIDS, PERCENT          | X     | 73.8   | 78.4    | 80.4   | 76.0   | 72.4   |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG | 5.12   | U       | 5.12   | U      | 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG | 7.92   | U       | 7.92   | U      | 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG | 261    | 1020    | 914    | 247    | 593    |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG | 1.05   | U       | 4.68   | 11.7   | 15.5   |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | 80.6   | 54.3    | 271    | 1740   | 4540   |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG | 656    | 445     | 1240   | 12200  | 33700  |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG | 20.1   | U       | 20.1   | U      | 20.1   |
| SM46 SILVER, TCLP             | MG/L  | 0.0100 | U       | 0.0100 | U      | 0.0100 |
| SM47 ARSENIC, TCLP            | MG/L  | 0.0500 | U       | 0.0500 | U      | 0.0500 |
| SM48 BARIUM, TCLP             | MG/L  | 0.206  | U       | 0.360  | U      | 1.48   |
| SM49 CADMIUM, TCLP            | MG/L  | 0.0157 | 0.00787 | 0.0183 | 0.0588 | 0.131  |
| SM50 CHROMIUM, TCLP           | MG/L  | 0.0239 | 0.0100  | U      | 0.0453 | 0.0902 |
| SM51 LEAD, TCLP               | MG/L  | 0.0500 | U       | 0.473  | 0.565  | 11.5   |
| SM52 SELENIUM, TCLP           | MG/L  | 0.0500 | U       | 0.0500 | U      | 0.0500 |
| ZZ01 SAMPLE NUMBER            | NA    | 165    | 166     | 167    | 168    | 169    |
| ZZ02 ACTIVITY CODE            | APXXS | APXXS  | APXXS   | APXXS  | APXXS  | APXXS  |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

| COMPOUND   | UNITS | 170   | 171 | 172 | 173 | 174       |
|--|-------|-------|-----|-----|-----|-----------|
| HF01 PH, HAZARD WASTE                              | SU    | 6.07  |     |     |     | 9.64      |
| HG22 FLASHPOINT (FLAMMABILITY)                     | IC    | 50.0  |     |     |     | 85.0 L    |
| HM01 SILVER, TOTAL, BY ICAP                        | MG/KG | 0.200 | U   |     |     | 2.00 U    |
| HM03 ARSENIC, TOTAL, BY ICAP                       | MG/KG | 10.0  | U   |     |     | 100 U     |
| HM04 BARIUM, TOTAL, BY ICAP                        | MG/KG | 41.1  |     |     |     | 465       |
| HM06 CADMIUM, TOTAL, BY ICAP                       | MG/KG | 0.147 |     |     |     | 1.96      |
| HM08 CHROMIUM, TOTAL, BY ICAP                      | MG/KG | 3.53  |     |     |     | 140       |
| HM14 LEAD, TOTAL, BY ICAP                          | MG/KG | 27.0  |     |     |     | 1090      |
| HM16 SELENIUM, BY ICAP                             | MG/KG | 10.0  | U   |     |     | 100 U     |
| HM51 SILVER, TCLP                                  | MG/L  | 5.00  | K   |     |     | 0.0100 U  |
| HM52 ARSENIC, TCLP                                 | MG/L  | 5.00  | K   |     |     | 0.0500 U  |
| HM53 BARIUM, TCLP                                  | MG/L  | 100   | K   |     |     | 0.789     |
| HM54 CADMIUM, TCLP                                 | MG/L  | 1.00  | K   |     |     | 0.00500 U |
| HM55 CHROMIUM, TCLP                                | MG/L  | 5.00  | K   |     |     | 0.102     |
| HM56 LEAD, TCLP                                    | MG/L  | 5.00  | K   |     |     | 0.336     |
| HM57 SELENIUM, TCLP                                | MG/L  | 1.00  | K   |     |     | 0.0532    |
| HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)           | UG/L  | 5000  | U   |     |     | 6800 U    |
| HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)           | UG/L  | 5000  | U   |     |     | 6800 U    |
| HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)           | UG/L  | 6200  | U   |     |     | 8500 U    |
| HU09 ACETONE, BY GC/MS (MASS/VOLUME)               | UG/L  | 26000 | U   |     |     | 6900 U    |
| HU10 BENZENE, BY GC/MS (MASS/VOLUME)               | UG/L  | 5000  | U   |     |     | 9100 U    |
| HU11 BROMODICHLOROMETHANE, BY GC/MS                | UG/L  | 5000  | U   |     |     | 6800 U    |
| HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)             | UG/L  | 3700  | U   |     |     | 5100 U    |
| HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)          | UG/L  | 5000  | U   |     |     | 6800 U    |
| HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME)      | UG/L  | 3700  | U   |     |     | 5100 U    |
| HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO) UG/L | UG/L  | 5000  | U   |     |     | 6800 U    |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND  | UNITS         | 170       | 171 | 172     | 173   | 174 |
|---|---------------|-----------|-----|---------|-------|-----|
| HU16 CHLOROBENZENE, BY GC/MS                              | UG/L          | 5000      | U   |         | 6800  | U   |
| HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)                 | UG/L          | 5000      | U   |         | 6800  | U   |
| HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)                | UG/L          | 8700      | U   |         | 12000 | U   |
| HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)                   | UG/L          | 5000      | U   |         | 6800  | U   |
| HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO)             | UG/L          | 3700      | U   |         | 5100  | U   |
| HU21 DICHLOROETHANE, 1,1, BY GC/MS (MASS/VOLU)            | UG/L          | 3700      | U   |         | 5100  | U   |
| HU22 DICHLOROETHANE, 1,2, BY GC/MS (MASS/VOLU)            | UG/L          | 5000      | U   |         | 6800  | U   |
| HU23 DICHLOROETHYLENE, 1,1, BY GC/MS (MASS/VO)            | UG/L          | 5000      | U   |         | 6800  | U   |
| HU24 DICHLOROETHYLENE, 1,2, TOTAL (MASS/VOLUM             | UG/L          | 3700      | U   |         | 5100  | U   |
| HU25 DICHLOROPROPANE, 1,2 BY GC/MS (MASS/VOLU)            | UG/L          | 5000      | U   |         | 6800  | U   |
| HU26 DICHLOROPROPYLENE, CIS-1,3, BY GC/MS(MASS:UG/L :6200 | U             |           |     | 8500    | U     |     |
| HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU:UG/L :3700   | U             |           |     | 5100    | U     |     |
| HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)                | UG/L :1500000 |           |     | 640000  |       |     |
| HU29 HEXANONE, 2- (MASS/VOLUME)                           | UG/L          | 17000     | U   |         | 24000 | U   |
| HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU              | UG/L :7200    | U         |     | 17000   | U     |     |
| HU31 METHYL ETHYL KETONE (MASS/VOLUME)                    | UG/L          | 1000000   |     | 100000  | U     |     |
| HU32 STYRENE, BY GC/MS (MASS/VOLUME)                      | UG/L          | 110000000 |     | 67000   |       |     |
| HU33 TETRACHLOROETHANE, 1,1,2,2, BY GC/MS(MASS:UG/L :5000 | U             |           |     | 6800    | U     |     |
| HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOLUG/L :5000    | U             |           |     | 6800    | U     |     |
| HU35 TOLUENE, BY GC/MS (MASS/VOLUME)                      | UG/L :4300000 |           |     | 5400000 |       |     |
| HU36 TRICHLOROETHANE, 1,1,2-, BY GC/MS (MASS/UG/L :5000   | U             |           |     | 6800    | U     |     |
| HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUMUG/L :5000    | U             |           |     | 6800    | U     |     |
| HU38 TRICHLOROETHANE, 1,1,1-, BY GC/MS (MASS/UG/L :5000   | U             |           |     | 6800    | U     |     |
| HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)               | UG/L :6200    | U         |     | 8500    | U     |     |
| HU40 XYLENE, M AND/OR P (MASS/VOLUME)                     | UG/L :5400000 |           |     | 2000000 |       |     |
| HU41 XYLENE, ORTHO (MASS/VOLUME)                          | UG/L :1700000 |           |     | 660000  |       |     |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

174

UNITS      170      171      172      173      174

| COMPOUND                                | UNITS  | 170   | 171    | 172    | 173    | 174         |
|---|--------|-------|--------|--------|--------|-------------|
| HU43 4-METHYL-2-PENTANONE (MASS/VOLUME) | :UG/L  | 49000 |        |        |        | 5100 U      |
| HV40 CHLOROFORM, TCLP                   | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV41 DICHLOROETHANE, 1, 2-, TCLP        | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV42 CARBON TETRACHLORIDE, TCLP         | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV43 BENZENE, TCLP                      | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV44 CHLOROBENZENE, TCLP                | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV45 DICHLOROETHYLENE, 1-, TCLP         | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV46 METHYL ETHYL KETONE, TCLP          | :MG/L  | 160   |        |        |        | 3.5 U       |
| HV47 TETRACHLOROETHYLENE, TCLP          | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV48 TRICHLOROETHYLENE, TCLP            | :MG/L  | 4     | U      |        |        | 0.4 U       |
| HV49 VINYL CHLORIDE, TCLP               | :MG/L  | 5     | U      |        |        | 0.2 U       |
| <b>SM07 SOLIDS, PERCENT</b>             | %      |       |        | 44.6   | 52.5   | <b>69.5</b> |
| <b>SM01 SILVER, TOTAL, BY ICAP</b>      | :MG/KG |       | 5.12   | U      | 5.12   | U           |
| <b>SM03 ARSENIC, TOTAL, BY ICAP</b>     | :MG/KG |       | 7.92   | U      | 7.92   | U           |
| <b>SM04 BARIUM, TOTAL, BY ICAP</b>      | :MG/KG |       | 1090   | 1550   |        | 545         |
| <b>SM06 CADMIUM, TOTAL, BY ICAP</b>     | :MG/KG |       | 30.3   | 38.9   |        | 4.24        |
| <b>SM08 CHROMIUM, TOTAL, BY ICAP</b>    | :MG/KG |       | 286    | 1190   |        | 3200        |
| <b>SM14 LEAD, TOTAL, BY ICAP</b>        | :MG/KG |       | 2460   | 7080   |        | 12600       |
| <b>SM16 SELENIUM, TOTAL, BY ICAP</b>    | :MG/KG |       | 20.1   | U      | 20.1   | U           |
| <b>SM46 SILVER, TCLP</b>                | :MG/L  |       | 0.0100 | U      | 0.0100 | U           |
| <b>SM47 ARSENIC, TCLP</b>               | :MG/L  |       | 0.0500 | U      | 0.0500 | U           |
| <b>SM48 BARIUM, TCLP</b>                | :MG/L  |       | 1.28   | 2.49   |        | 1.57        |
| <b>SM49 CADMIUM, TCLP</b>               | :MG/L  |       | 0.0368 | 0.161  |        | 0.0050 U    |
| <b>SM50 CHROMIUM, TCLP</b>              | :MG/L  |       | 0.0335 | 0.0736 |        | 0.0225      |
| <b>SM51 LEAD, TCLP</b>                  | :MG/L  |       | 3.13   | 1.39   |        | 32.8        |
| <b>SM52 SELENIUM, TCLP</b>              | :MG/L  |       | 0.0500 | U      | 0.0500 | U           |
|   |        |       |        |        |        | 0.0778      |



ANALYSIS REQUEST DETAIL REPORT      ACTIVITY: 7-APXXS      VALIDATED DATA

| COMPOUND           | UNITS | 170   | 171   | 172   | 173   | 174   |
|--------------------|-------|-------|-------|-------|-------|-------|
| ZZ01 SAMPLE NUMBER | NA    | 170   | 171   | 172   | 173   | 174   |
| ZZ02 ACTIVITY CODE | NA    | APXXS | APXXS | APXXS | APXXS | APXXS |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND                                  | UNITS | 175    | 176    | 177    | 178  | 179    |
|---|-------|--------|--------|--------|------|--------|
| SG07 SOLIDS, PERCENT                      | X     | 72.2   | 81.9   | 51.2   | 80.0 | 83.6   |
| SM01 SILVER, TOTAL, BY ICAP               | KG/KG | 5.12   | U      | 5.12   | U    | 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP              | KG/KG | 7.92   | U      | 7.92   | U    | 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP               | KG/KG | 905    | 489    | 251    |      |        |
| SM06 CADMIUM, TOTAL, BY ICAP              | KG/KG | 5.52   | 9.73   | 2.73   |      |        |
| SM08 CHROMIUM, TOTAL, BY ICAP             | KG/KG | 1760   | 2750   | 100    |      |        |
| SM14 LEAD, TOTAL, BY ICAP                 | KG/KG | 10500  | 14300  | 822    |      |        |
| SM16 SELENIUM, TOTAL, BY ICAP             | KG/KG | 20.1   | U      | 20.1   | U    |        |
| SM46 SILVER, TCLP                         | KG/L  | 0.0100 | U      | 0.0100 | U    | 0.0100 |
| SM47 ARSENIC, TCLP                        | KG/L  | 0.0500 | U      | 0.0500 | U    | 0.0500 |
| SM48 BARIUM, TCLP                         | KG/L  | 1.21   | 1.73   | 0.227  | U    |        |
| SM49 CADMIUM, TCLP                        | KG/L  | 0.0136 | 0.0351 | 0.0050 | U    |        |
| SM50 CHROMIUM, TCLP                       | KG/L  | 0.0782 | 0.505  | 0.0100 | U    |        |
| SM51 LEAD, TCLP                           | KG/L  | 8.92   | 16.6   | 0.102  |      |        |
| SM52 SELENIUM, TCLP                       | KG/L  | 0.0560 | 0.0718 | 0.0500 | U    |        |
| SV01 VINYL CHLORIDE, TCLP                 | KG/L  |        |        | 0.2    | K    | 0.2    |
| SV02 CHLOROFORM, TCLP                     | KG/L  |        |        | 6.0    | K    | 6.0    |
| SV03 CHLOROMETHANE, BY GC/MS              | UG/KG |        |        | 7100   | U    | 9100   |
| SV04 BROMOMETHANE, BY GC/MS               | UG/KG |        |        | 14000  | U    | 18000  |
| SV05 VINYL CHLORIDE, BY GC/MS             | UG/KG |        |        | 11000  | U    | 14000  |
| SV06 CHLOROETHANE, BY GC/MS               | UG/KG |        |        | 11000  | U    | 14000  |
| SV07 METHYLENE CHLORIDE (DICHLOROMETHANE) | UG/KG |        |        | 7100   | U    | 9100   |
| SV08 DICHLOROETHYLENE, 1,1', BY GC/MS     | UG/KG |        |        | 3600   | U    | 4600   |
| SV09 DICHLOROETHANE, 1,1', BY GC/MS       | UG/KG |        |        | 3600   | U    | 4600   |
| SV10 DICHLOROETHYLENE, TRANS-1,2          | UG/KG |        |        | 3600   | U    | 4600   |
| SV11 CHLOROFORM, BY GC/MS                 | UG/KG |        |        | 3600   | U    | 4600   |



## ANALYSIS REQUEST DETAIL REPORT

## VALIDATED DATA

## ACTIVITY: 7-APXX5

| COMPOUND                                  | UNITS | 175 | 176     | 177       | 178       | 179       |
|---|-------|-----|---------|-----------|-----------|-----------|
| SV12 DICHLOROETHANE, 1,2, BY GC/MS        | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV13 TRICHLOROETHANE, 1,1,1-, BY GC/MS    | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV14 CARBON TETRACHLORIDE, BY GC/MS       | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV15 BROMODICHLOROMETHANE, BY GC/MS       | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV16 DICHLOROPROPANE, 1,2, BY GC/MS       | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV17 BENZENE, BY GC/MS                    | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV18 DICHLOROPROPYLENE, TRANS-1,3         | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV19 TRICHLOROETHYLENE, BY GC/MS          | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV20 DICHLOROPROPYLENE, CIS-1,3, BY GC/MS | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV21 DIBROMOCHLOROMETHANE, BY GC/MS       | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV22 TRICHLOROETHANE, 1,1,2-, BY GC/MS    | UG/KG |     |         | 3600      | U : 4600  | U : 6000  |
| SV23 DICHLOROETHANE, 1,2, TCLP            | MG/L  |     | 0.5     | K : 0.5   | K : 0.5   | K : 0.5   |
| SV24 BROMOFORM, BY GC/MS                  | UG/KG |     | 3600    | U : 4600  | U : 6000  | U : 6000  |
| SV25 TETRACHLOROETHYLENE, BY GC/MS        | UG/KG |     | 3600    | U : 4600  | U : 6000  | U : 6000  |
| SV26 TOLUENE, BY GC/MS                    | UG/KG |     | 700000  | 1600000   | 1600000   | 1600000   |
| SV27 TETRACHLOROETHANE, 1,1,2,2, BY GC/MS | UG/KG |     | 3600    | U : 4600  | U : 6000  | U : 6000  |
| SV28 CHLOROBENZENE, BY GC/MS              | UG/KG |     | 3600    | U : 4600  | U : 6000  | U : 6000  |
| SV29 ETHYL BENZENE, BY GC/MS              | UG/KG |     | 420000  | 590000    | 1300000   |           |
| SV30 ACETONE, BY GC/MS                    | UG/KG |     | 7100    | U : 22000 | U : 12000 | U : 12000 |
| SV31 CARBON DISULFIDE, BY GC/MS           | UG/KG |     | 3600    | U : 4600  | U : 6000  | U : 6000  |
| SV32 METHYL ETHYL KETONE                  | UG/KG |     | 7100    | U : 39000 | U : 82000 | U : 82000 |
| SV34 HEXANONE, 2-                         | UG/KG |     | 7100    | U : 9100  | U : 12000 | U : 12000 |
| SV35 4-METHYL-2-PENTANONE(MIBK)           | UG/KG |     | 7100    | U : 9100  | U : 12000 | U : 12000 |
| SV36 STYRENE, BY GC/MS                    | UG/KG |     | 1900000 | 600000    | 590000    |           |
| SV38 CARBON TETRACHLORIDE, TCLP           | MG/L  |     | 0.5     | K : 0.5   | K : 0.5   | K : 0.5   |
| SV39 BENZENE, TCLP                        | MG/L  |     | 0.5     | K : 0.5   | K : 0.5   | K : 0.5   |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5  
VALIDATED DATA

| COMPOUND                         | UNITS | 175   | 176     | 177   | 178     | 179     |
|----------------------------------|-------|-------|---------|-------|---------|---------|
| SV40 CHLOROBENZENE, TCLP         | MG/L  |       |         | 100   | K       | 100     |
| SV44 DICHLOROBENZENE, 1,4-       | UG/KG |       | 3600    | U     | 4600    | U       |
| SV49 XYLENE, ORTHO               | UG/KG |       | 470000  |       | 820000  | 1500000 |
| SV50 DICHLOROETHYLENE, 1,1, TCLP | MG/L  |       | 0.7     | K     | 0.7     | K       |
| SV51 METHYL ETHYL KETONE, TCLP   | MG/L  |       | 200     | K     | 200     | K       |
| SV52 TETRACHLOROETHYLENE, TCLP   | MG/L  |       | 0.7     | K     | 0.7     | K       |
| SV53 TRICHLOROETHYLENE, TCLP     | MG/L  |       | 0.5     | K     | 0.5     | K       |
| SV57 XYLENE, M AND/OR P          | UG/KG |       | 1500000 |       | 2700000 | 510000  |
| SV60 DICHLOROBENZENE, 1, 3-      | UG/KG |       | 3600    | U     | 4600    | U       |
| SV61 DICHLOROBENZENE, 1, 2-      | UG/KG |       | 3600    | U     | 4600    | U       |
| SV63 DICHLOROETHYLENE, CIS -1,2  | UG/KG |       | 3600    | U     | 4600    | U       |
| ZZ01 SAMPLE NUMBER               | MA    | 175   | 176     | 177   | 178     | 179     |
| ZZ02 ACTIVITY CODE               | MA    | APXX5 | APXX5   | APXX5 | APXX5   | APXX5   |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS  
VALIDATED DATA

|                               | COMPOUND | UNITS  | 180    | 181    | 182    | 183    | 184    |
|-------------------------------|----------|--------|--------|--------|--------|--------|--------|
| SM07 SOLIDS, PERCENT          | %        | 83.7   | 85.7   | 97.3   | 96.2   | 95.7   |        |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG    | 5.12   | U      | 5.12   | U      | 5.12   | U      |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG    | 7.92   | U      | 7.92   | U      | 7.92   | U      |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG    | 300    | 602    | 2810   | 749    | 945    |        |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG    | 15.6   | 13.5   | 43.2   | 41.8   | 43.4   |        |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG    | 663.0  | 1770   | 923    | 776    | 964    |        |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG    | 39000  | 12500  | 7510   | 4430   | 5320   |        |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG    | 20.1   | U      | 20.1   | U      | 20.1   | U      |
| SM46 SILVER, TCLP             | MG/L     | 0.0100 | U      | 0.0100 | U      | 0.0100 | U      |
| SM47 ARSENIC, TCLP            | MG/L     | 0.0500 | U      | 0.0500 | U      | 0.0500 | U      |
| SM48 BARIUM, TCLP             | MG/L     | 1.20   | 0.821  | 4.18   | 2.64   | 3.98   |        |
| SM49 CADMIUM, TCLP            | MG/L     | 0.0732 | 0.0411 | 0.245  | 0.0405 | 0.0647 |        |
| SM50 CHROMIUM, TCLP           | MG/L     | 0.0789 | 0.0346 | 0.0100 | U      | 0.0282 | 0.0362 |
| SM51 LEAD, TCLP               | MG/L     | 59.7   | 11.3   | 0.0500 | U      | 0.237  | 0.336  |
| SM52 SELENIUM, TCLP           | MG/L     | 0.0917 | 0.0500 | U      | 0.0500 | U      | 0.0500 |
| ZZ01 SAMPLE NUMBER            | NA       | 180    | 181    | 182    | 183    | 184    |        |
| ZZ02 ACTIVITY CODE            | NA       | APXXS  | APXXS  | APXXS  | APXXS  | APXXS  |        |



## ANALYSIS REQUEST DETAIL REPORT

VALIDATED DATA

ACTIVITY: 7-APXXS

COMPOUND

UNITS

185

186

187

188

189

|                               |        |        |        |        |       |        |
|-------------------------------|--------|--------|--------|--------|-------|--------|
| SG07 SOLIDS, PERCENT          | X      | 96.0   | 96.6   | 96.5   | 95.5  | 93.5   |
| SM01 SILVER, TOTAL, BY ICAP   | :MG/KG | 5.12   | U      | 5.12   | U     | 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP  | :MG/KG | 7.92   | U      | 7.92   | U     | 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP   | :MG/KG | 912    | 1110   | 1340   | 1530  | 611    |
| SM06 CADMIUM, TOTAL, BY ICAP  | :MG/KG | 15.4   | 39.7   | 43.5   | 39.3  | 37.4   |
| SM08 CHROMIUM, TOTAL, BY ICAP | :MG/KG | 294    | 920    | 640    | 1210  | 892    |
| SM14 LEAD, TOTAL, BY ICAP     | :MG/KG | 4900   | 4800   | 2560   | 7370  | 4730   |
| SM16 SELENIUM, TOTAL, BY ICAP | :MG/KG | 20.1   | U      | 20.1   | U     | 20.1   |
| SM46 SILVER, TCLP             | :MG/L  | 0.0153 | 0.0101 | 0.0100 | U     | 0.0108 |
| SM47 ARSENIC, TCLP            | :MG/L  | 0.0500 | U      | 0.0500 | U     | 0.0500 |
| SM48 BARIUM, TCLP             | :MG/L  | 6.31   | 5.78   | 7.70   | 5.61  | 8.67   |
| SM49 CADMIUM, TCLP            | :MG/L  | 0.250  | 0.267  | 0.270  | 0.307 | 0.251  |
| SM50 CHROMIUM, TCLP           | :MG/L  | 7.44   | 4.54   | 3.80   | 10.9  | 4.72   |
| SM51 LEAD, TCLP               | :MG/L  | 7.79   | 2.93   | 3.90   | 3.51  | 4.39   |
| SM52 SELENIUM, TCLP           | :MG/L  | 0.0500 | U      | 0.0500 | U     | 0.0500 |
| ZZ01 SAMPLE NUMBER            | NA     | 185    | 186    | 187    | 188   | 189    |
| ZZ02 ACTIVITY CODE            | NA     | APXXS  | APXXS  | APXXS  | APXXS | APXXS  |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5

VALIDATED DATA

| COMPOUND                                  | UNITS | 190    | 191   | 192    | 193    | 194      |
|---|-------|--------|-------|--------|--------|----------|
| SG07 SOLIDS, PERCENT                      | %     | 97.6   | 94.7  | 93.5   | 99.0   | 97.3     |
| SG22 FLASHPOINT (FLAMMABILITY), SOIL      | C     | 85.0   | L     |        |        | 85.0 L   |
| SG23 PH, SOIL                             | SU    | 9.88   |       |        |        | 10.2     |
| SM01 SILVER, TOTAL, BY ICAP               | MG/KG | 5.12   | U     | 5.12   | U      | 5.12 U   |
| SM03 ARSENIC, TOTAL, BY ICAP              | MG/KG | 7.92   | U     | 7.92   | U      | 7.92 U   |
| SM04 BARIUM, TOTAL, BY ICAP               | MG/KG | 1910   | 1600  | 2040   |        | 1150     |
| SM06 CADMIUM, TOTAL, BY ICAP              | MG/KG | 72.4   | 69.4  | 66.5   | 55.4   | 51.5     |
| SM08 CHROMIUM, TOTAL, BY ICAP             | MG/KG | 1750   | 893   | 867    | 795    | 1360     |
| SM14 LEAD, TOTAL, BY ICAP                 | MG/KG | 10200  | 5200  | 5260   | 4590   | 9360     |
| SM16 SELENIUM, TOTAL, BY ICAP             | MG/KG | 20.1   | U     | 20.1   | U      | 20.1 U   |
| SM46 SILVER, TCLP                         | MG/L  | 0.0100 | U     | 0.0100 | U      | 0.0100 U |
| SM47 ARSENIC, TCLP                        | MG/L  | 0.0500 | U     | 0.0500 | U      | 0.0500 U |
| SM48 BARIUM, TCLP                         | MG/L  | 7.20   | 12.5  | 5.40   | 8.17   | 4.50     |
| SM49 CADMIUM, TCLP                        | MG/L  | 0.426  | 0.503 | 0.141  | 0.230  | 0.129    |
| SM50 CHROMIUM, TCLP                       | MG/L  | 10.2   | 8.62  | 0.123  | 0.0403 | 0.127    |
| SM51 LEAD, TCLP                           | MG/L  | 5.00   | 3.29  | 0.243  | 0.135  | 0.101    |
| SM52 SELENIUM, TCLP                       | MG/L  | 0.0500 | U     | 0.0500 | U      | 0.0500 U |
| SV01 VINYL CHLORIDE, TCLP                 | MG/L  | 0.2    | K     |        |        | 0.2 K    |
| SV02 CHLOROFORM, TCLP                     | MG/L  | 6.0    | K     |        |        | 6.0 K    |
| SV03 CHLOROMETHANE, BY GC/MS              | UG/KG | 10000  | U     |        |        | 8400 U   |
| SV04 BROMOMETHANE, BY GC/MS               | UG/KG | 15000  | U     |        |        | 12000 U  |
| SV07 METHYLENE CHLORIDE (DICHLOROMETHANE) | UG/KG | 10000  | U     |        |        | 17000 U  |
| SV08 DICHLOROETHYLENE, 1,1, BY GC/MS      | UG/KG | 5000   | U     |        |        | 12000 U  |
| SV09 DICHLOROETHANE, 1,1, BY GC/MS        | UG/KG | 5000   | U     |        |        | 4200 U   |



## ANALYSIS REQUEST DETAIL REPORT

## VALIDATED DATA

## ACTIVITY: 7-APXX5

| COMPOUND                                     | UNITS        | 190 | 191 | 192 | 193 | 194      |
|--|--------------|-----|-----|-----|-----|----------|
| SV10 DICHLOROETHYLENE, TRANS-1, 2            | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV11 CHLOROFORM, BY GC/MS                    | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV12 DICHLOROETHANE, 1, 2, BY GC/MS          | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV13 TRICHLOROETHANE, 1,1,1-, BY GC/MS       | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV14 CARBON TETRACHLORIDE, BY GC/MS          | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV15 BROMODICHLOROMETHANE, BY GC/MS          | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV16 DICHLOROPROPANE, 1, 2, BY GC/MS         | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV17 BENZENE, BY GC/MS                       | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV18 DICHLOROPROPYLENE, TRANS-1, 3           | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV19 TRICHLOROETHYLENE, BY GC/MS             | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV20 DICHLOROPROPENE, CIS-1, 3, BY GC/MS     | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV21 BIBROMOCHLOROETHANE, BY GC/MS           | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV22 TRICHLOROETHANE, 1, 1, 2--, BY GC/MS    | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV23 DICHLOROETHANE, 1, 2, TCLP              | MG/L : 0.5 K |     |     |     |     | 0.5 K    |
| SV24 BROMOFORM, BY GC/MS                     | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV25 TETRACHLOROETHYLENE, BY GC/MS           | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV26 TOLUENE, BY GC/MS                       | UG/KG:410000 |     |     |     |     | 13000000 |
| SV27 TETRACHLOROETHANE, 1, 1, 2, 2, BY GC/MS | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV28 CHLOROBENZENE, BY GC/MS                 | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV29 ETHYL BENZENE, BY GC/MS                 | UG/KG:344000 |     |     |     |     | 17000    |
| SV30 ACETONE, BY GC/MS                       | UG/KG:19000  | U   |     |     |     | 8400 U   |
| SV31 CARBON DISULFIDE, BY GC/MS              | UG/KG:5000   | U   |     |     |     | 4200 U   |
| SV32 METHYL ETHYL KETONE ,                   | UG/KG:10000  | U   |     |     |     | 8400 U   |
| SV34 HEXANONE, 2-                            | UG/KG:10000  | U   |     |     |     | 8400 U   |
| SV35 4-METHYL-2-PENTANONE(MIBK)              | UG/KG:10000  | U   |     |     |     | 8400 U   |
| SV36 STYRENE, BY GC/MS                       | UG/KG:5000   | U   |     |     |     | 4200 U   |



## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXX5  
VALIDATED DATA

| COMPOUND                         | UNITS | 190    | 191   | 192   | 193   | 194    |
|----------------------------------|-------|--------|-------|-------|-------|--------|
| SV38 CARBON TETRACHLORIDE, TCLP  | MG/L  | 0.5    | K     |       |       | 0.5 K  |
| SV39 BENZENE, TCLP               | MG/L  | 0.5    | K     |       |       | 0.5 K  |
| SV40 CHLOROBENZENE, TCLP         | MG/L  | 100    | K     |       |       | 100 K  |
| SV44 DICHLOROBENZENE, 1,4-       | UG/KG | 5000   | U     |       |       | 4200 U |
| SV49 XYLENE, ORTHO               | UG/KG | 30000  |       |       |       | 13000  |
| SV50 DICHLOROETHYLENE, 1,1, TCLP | MG/L  | 0.7    | K     |       |       | 0.7 K  |
| SV51 METHYL ETHYL KETONE, TCLP   | MG/L  | 200    | K     |       |       | 200 K  |
| SV52 TETRACHLOROETHYLENE, TCLP   | MG/L  | 0.7    | K     |       |       | 0.7 K  |
| SV53 TRICHLOROETHYLENE, TCLP     | MG/L  | 0.5    | K     |       |       | 0.5 K  |
| SV57 XYLENE, M AND/OR P          | UG/KG | 110000 |       |       |       | 62000  |
| SV60 DICHLOROBENZENE, 1, 3-      | UG/KG | 5000   | U     |       |       | 4200 U |
| SV61 DICHLOROBENZENE, 1, 2-      | UG/KG | 5000   | U     |       |       | 4200 U |
| SV63 DICHLOROETHYLENE, CIS -1,2  | UG/KG | 5000   | U     |       |       | 4200 U |
| ZZ01 SAMPLE NUMBER               | NA    | 190    | 191   | 192   | 193   | 194    |
| ZZ02 ACTIVITY CODE               | NA    | APXX5  | APXX5 | APXX5 | APXX5 | APXX5  |

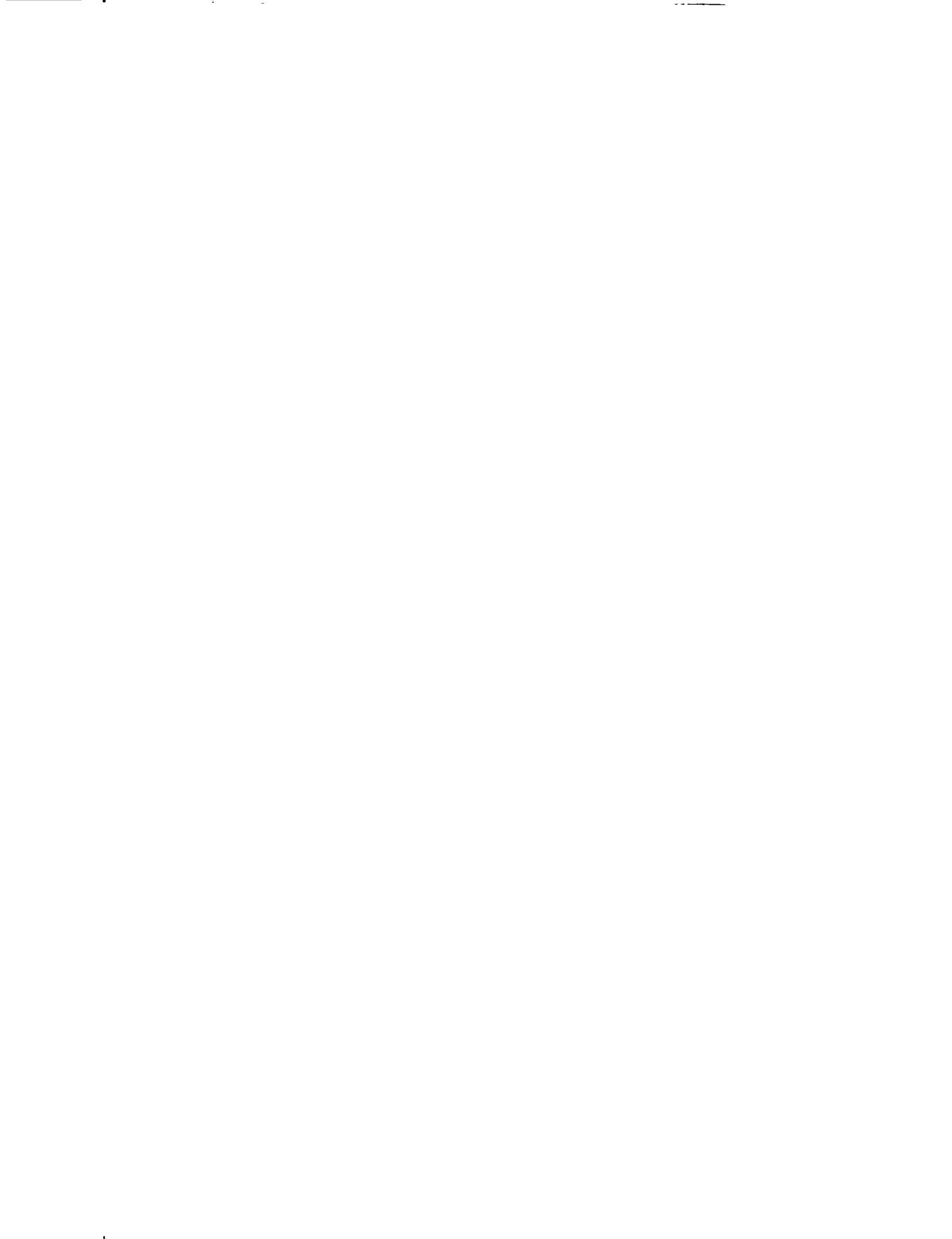


## ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 7-APXXS

VALIDATED DATA

| COMPOUND                      | UNITS | 195    | 196    | 197    |
|-------------------------------|-------|--------|--------|--------|
| SG07 SOLIDS, PERCENT          | %     | 97.0   | 96.8   | 95.8   |
| SM01 SILVER, TOTAL, BY ICAP   | MG/KG | 5.12   | U      | 5.12   |
| SM03 ARSENIC, TOTAL, BY ICAP  | MG/KG | 7.92   | U      | 7.92   |
| SM04 BARIUM, TOTAL, BY ICAP   | MG/KG | 1420   | 2630   | 1470   |
| SM06 CADMIUM, TOTAL, BY ICAP  | MG/KG | 39.6   | 49.7   | 75.2   |
| SM08 CHROMIUM, TOTAL, BY ICAP | MG/KG | 1380   | 853    | 1460   |
| SM14 LEAD, TOTAL, BY ICAP     | MG/KG | 8740   | 4530   | 5770   |
| SM16 SELENIUM, TOTAL, BY ICAP | MG/KG | 20.1   | U      | 20.1   |
| SM46 SILVER, TCLP             | MG/L  | 0.0106 | 0.0100 | U      |
| SM47 ARSENIC, TCLP            | MG/L  | 0.0500 | U      | 0.0500 |
| SM48 BARIUM, TCLP             | MG/L  | 4.78   | 4.65   | 6.81   |
| SM49 CADMIUM, TCLP            | MG/L  | 0.126  | 0.0724 | 0.311  |
| SM50 CHROMIUM, TCLP           | MG/L  | 0.0100 | U      | 0.0876 |
| SM51 LEAD, TCLP               | MG/L  | 0.0867 | 0.226  | 0.409  |
| SM52 SELENIUM, TCLP           | MG/L  | 0.0500 | U      | 0.0500 |
| ZZ01 SAMPLE NUMBER            | NA    | 195    | 196    | 197    |
| ZZ02 ACTIVITY CODE            | NA    | APXXS  | APXXS  | APXXS  |



ACTIVITY APXXS      R.V. HOPKINS

THE PROJECT LEADER SHOULD CIRCLE ONE - STORET, AIRS, OR ARCHIVE.

CIRCLE ONE:      STORET      AIRS      ARCHIVE

DATA APPROVED BY LABO FOR TRANSMISSION TO PROJECT LEADER ON 06/23/97 16:39:21 BY M.C.Brown

